

CR-172000

SISO-UG-001

DOC. TYPE 2
MGT. CODE OM

★
USER'S GUIDE

CALIBRATED ANCILLARY SYSTEM (CAS)

VOLUME VIII

- Checkout and Software Procedures
- Maintenance User Procedures
- System Manager Procedures

PREPARED BY



Ford Aerospace &
Communications Corporation
Space Information Systems Operation

CONTRACT NAS 9-15014
DRL LI 81

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER

N87-28292

(NASA-CR-172000) CALIBRATED ANCILLARY
SYSTEM (CAS) USER'S GUIDE, VOLUME 8 (Ford
Aerospace and Communications (CICF-) 213 P
Avail: NTIS HC A10/MF A01 CSCI 09B

G3/61 0092946
Unclas

31 MAY 1986

CONTENTS

This user's guide contains the introduction to the equipment, operation, general procedures, and specific procedures of the calibrated ancillary system (CAS).

Volume I	
Introduction	
Chapter 1	CAS Overview
Chapter 2	User Categories
Chapter 3	Introduction to Operation
Chapter 4	General Operating Procedures
Volume II	
Chapter 5	Data Flow Engineer Procedures
Volume III	
Chapter 5	Data Flow Engineer Procedures (Cont.)
Volume IV	
Chapter 6	GSFC User Mission Planning Procedures.
Volume V	
Chapter 6	Testing User Mission Planning Procedures
Volume VI	
Chapter 6	Testing User Mission Planning Procedures (Cont.)
Volume VII	
Chapter 6	Data Flow Engineer Mission Planning Procedures
Volume VIII	
Chapter 7	Checkout and Software Procedures
Chapter 8	Maintenance User Procedures
Chapter 9	System Manager Procedures
Volume IX	
Appendix A	CAS Commands
Appendix B	Acronyms and Abbreviations
Appendix C	Applicable Documentation

CHAPTER 7
CHECKOUT SOFTWARE PROCEDURES

CHAPTER 1 OVERVIEW
CHAPTER 2 USERS
CHAPTER 3 INTRO TO OPERATION
CHAPTER 4 GENERAL PROCEDURES
CHAPTER 5 DPE PROCEDURES
CHAPTER 6 MISSION PLANNER PROCEDURES
CHAPTER 7 CHECKOUT PROCEDURES
CHAPTER 8 MAINTENANCE PROCEDURES
CHAPTER 9 SYSTEM MANAGER PROCEDURES

CHAPTER 7
CHECKOUT SOFTWARE PROCEDURES

Table of Contents

<u>Section</u>		<u>Page</u>
1	Invoking Checkout Software Procedures	7-5
2	Interactive Scriptor Procedures	7-13
3	Data Generator Procedures	7-39
4	Scoring Procedures	7-69

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKES CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKING CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

INVOKING CHECKOUT SOFTWARE PROCEDURES

CHAPTER 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

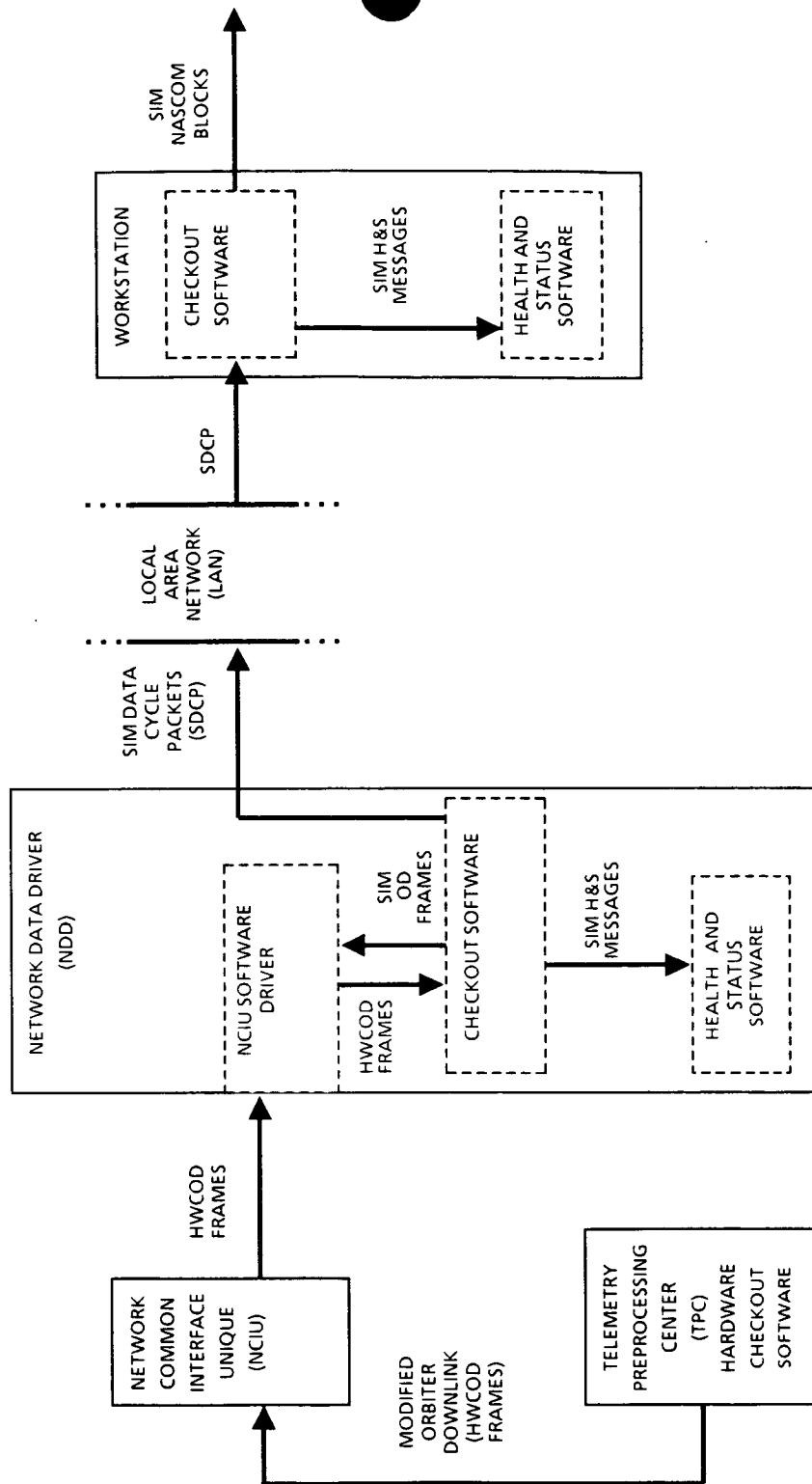


Figure 7-1. Data Types Used in Checkout

CHECKOUT DATA TYPES

Checkout software simulates data types used in CAS to verify proper operation of hardware interfaces and software applications/drivers:

- Modified orbiter downlink frames from TPC check NCIU interface to CAS.
- Simulated orbiter downlink frames, generated by checkout software, check NCIU software driver and NDD software.
- Simulated health and status messages check health and status software.
- Simulated data cycle packets check LAN interface and workstation software.
- Simulated NASCOM blocks are generated to check workstation output interface to NASCOM network.

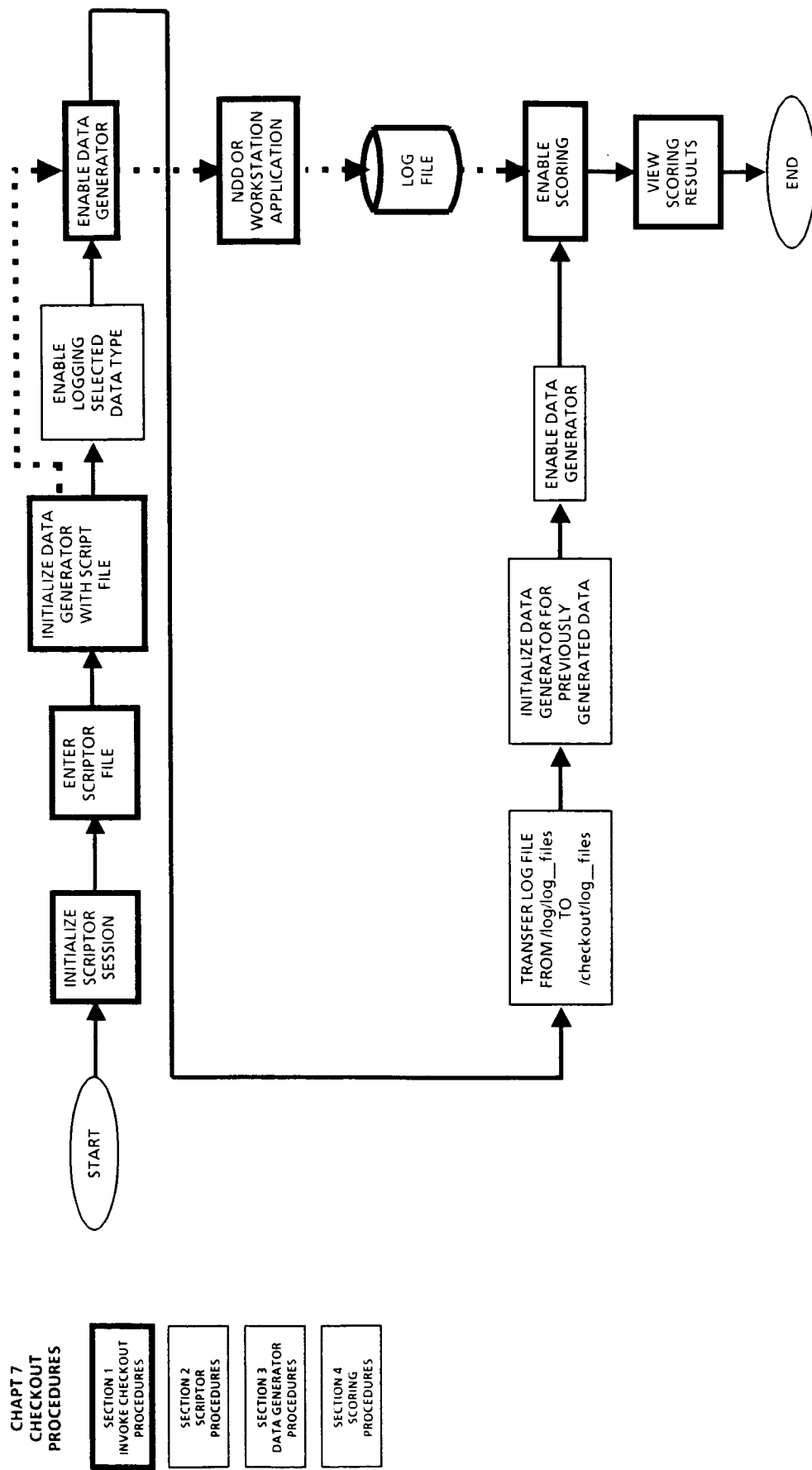
**CHAPT 7
CHECKOUT
PROCEDURES**

**SECTION 1
INVOKE CHECKOUT
PROCEDURES**

**SECTION 2
SCRIPTOR
PROCEDURES**

**SECTION 3
DATA GENERATOR
PROCEDURES**

**SECTION 4
SCORING
PROCEDURES**



CHECKOUT SCENARIO

Typical checkout scenario is illustrated in figure 7-2. Steps used in checkout depend on whether a hardware checkout or software checkout is performed and on data type involved. For example, software checkout using data cycle packets (DCP) data type could involve only steps enclosed in dark bordered boxes with dotted line path shown, bypassing some other steps.

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES

SECTION 2 SCRIPTOR PROCEDURES

SECTION 3 DATA GENERATOR PROCEDURES

SECTION 4 SCORING PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INVOKING CHECKOUT SOFTWARE PROCEDURES

These procedures apply to both CAS and NDD workstations, unless otherwise specified.

DISPLAY

Display is Workstation Master Menu
ws1 Menu name is 'master'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Real-time support
2 Health and status
3 Logging function
4 Delogging function
5 Mission planning
6 Checkout Software
7 Utilities

ADVS:

CNTL: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To invoke checkout software on CAS workstation:
 - Observe workstation master menu is on screen.
 - Type 6.
- Observe checkout software menu appears on screen.

DESCRIPTION

- **INVOKING CHECKOUT SOFTWARE PROCEDURES (Cont.)**

Invokes checkout software from NDD workstations.

DISPLAY

Display is Network Data Driver Master Menu nnd1	Menu name is 'Nmaster'	GMT XXX:XX:XX:XX

Enter the number or letter of your selection:		
1 Real time support 2 Health and status 3 Logging function 4 Delogging function 5 Checkout Software 6 Utilities		

ADVS:		
CNTL:		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

**CHAPT 7
CHECKOUT
PROCEDURES**

**SECTION 1
INVOKE CHECKOUT
PROCEDURES**

**SECTION 2
SCRIPTOR
PROCEDURES**

**SECTION 3
DATA GENERATOR
PROCEDURES**

**SECTION 4
SCORING
PROCEDURES**

PROCEDURE

- To invoke checkout software on NDD workstation:
 - Observe network data driver master menu is on screen.
 - Type 5.
- Observe checkout software menu appears on screen.

DESCRIPTION

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES

SECTION 2 SCRIPTOR PROCEDURES

SECTION 3 DATA GENERATOR PROCEDURES

SECTION 4 SCORING PROCEDURES

- INVOKING CHECKOUT SOFTWARE PROCEDURES (Cont.)

Checkout software menu.

DISPLAY

Display is Checkout Software Menu ws1 Menu name is 'cosw'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:	
1 Interactive Scriptor 2 Data Generator 3 Scoring 0 BACK to previous menu	
ADVS:	
CNTL:	F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select desired procedure:

--Type (number).

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

INTERACTIVE SCRIPTOR PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

SECTION 2
INTERACTIVE SCRIPTOR PROCEDURES

Table of contents

<u>Procedure</u>	<u>Page</u>
Calling Up Interactive Scriptor Procedure	7-15
HWCO Scriptor Session Initialization Procedures	7-19
Software Checkout Scriptor Session Initialization Procedures	7-23
Entering a Script File Procedures	7-27
Abort Scriptor Procedure	7-35
Listing Script Files Utility Procedure	7-37

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKES CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CALLING UP INTERACTIVE SCRIPTOR PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- CALLING UP INTERACTIVE SCRIPTOR
PROCEDURE

These interactive scriptor procedures apply to both CAS and NDD workstations, unless otherwise specified.

DISPLAY

Display is Checkout Software Menu
ws1
Menu name is 'cosw'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Interactive Scriptor
2 Data Generator
3 Scoring
0 BACK to previous menu

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To call up interactive scriptor:
--Type 1.
- Observe interactive scriptor menu appears.

DESCRIPTION

- CALLING UP INTERACTIVE SCRIPTOR PROCEDURE (Cont.)

Interactive scriptor menu lists commands used in controlling scriptor process.

DISPLAY

Display is Interactive Scriptor Menu
ws1 Menu name is 'scriptor'

Enter the number or letter of your selection:

1 HWCO Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To select desired command:
--Type (number).

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

HWCO SCRIPTOR SESSION INITIALIZATION PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKES CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- HWCO SCRIPTOR SESSION INITIALIZATION
PROCEDURE

Initialize hardware checkout scriptor session.

DISPLAY

Display is Interactive Scriptor Menu
ws1

Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWCO Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

ADVS:

ENTER SCRIPT FILE NAME (1~15 chars =):

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To initialize scriptor session:
 - Type 1.
 - Observe P/R line:
- ENTER SCRIPT FILE NAME (1~15 chars =):

DESCRIPTION

- HWC SCRIPTOR SESSION INITIALIZATION PROCEDURE (Cont.)

Enter script file name.

DISPLAY

Display is Interactive Scriptor Menu

ws1 Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWC SCRIPTOR SESSION INITIALIZATION

2 OD FRAME SCRIPTOR SESSION INITIALIZATION

3 DCP SCRIPTOR SESSION INITIALIZATION

4 NASCOM SCRIPTOR SESSION INITIALIZATION

5 INITIALIZE H&S SCRIPTOR SESSION

6 ENTER SCRIPT LINE

7 ABORT SCRIPTOR SESSION

0 BACK TO PREVIOUS MENU

ADVS:xxx:xx:xx:xx scriptor > Scriptor session initialization complete.

Command shipped. Enter next command.

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To enter script file name:
 - Type (file name).
 - Press <RETURN>.
 - Observe ADVS line:

xxx:xx:xx:xx scriptor > Scriptor session initialization complete.

--Observe P/R line:
Command shipped. Enter next command.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

SOFTWARE CHECKOUT SCRIPTOR SESSION INITIALIZATION PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

DESCRIPTION

- SOFTWARE CHECKOUT SCRIPTOR SESSION INITIALIZATION PROCEDURES

Initialize scriptor session.

Initialization of scriptor session is done by data type of script file.

DISPLAY

Display is Interactive Scriptor Menu

ws1 Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWCO Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

ADV5:
ENTER SCRIPT FILE NAME (1~15 chars =):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADV5 F5 = HIST

PROCEDURE

- To initialize scriptor session for OD frame scriptor file:
 - Type 2.
 - Observe P/R line:
ENTER SCRIPT FILE NAME (1~15 chars =):

PROCEDURE (Cont.)

- To initialize scriptor session for DCP scriptor file:
 - Type 3.
 - Observe P/R line:
ENTER SCRIPT FILE NAME (1~15 chars =):
- To initialize scriptor session for NASCOM scriptor file:
 - Type 4.
 - Observe P/R line:
ENTER SCRIPT FILE NAME (1~15 chars =):
- To initialize scriptor session for H&S scriptor file:
 - Type 5.
 - Observe P/R line:
ENTER SCRIPT FILE NAME (1~15 chars =):

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
--

SECTION 2 SCRIPTOR PROCEDURES

SECTION 3 DATA GENERATOR PROCEDURES

SECTION 4 SCORING PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- SOFTWARE CHECKOUT SCRIPTOR
SESSION INITIALIZATION PROCEDURES
(Cont.)

Enter script file name and database revision
for session initialization.

DISPLAY

Display is Interactive Scriptor Menu

ws1 Menu name is 'scriptor'

Enter the number or letter of your selection:

1 HWCO Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
Enter DATA BASE REVISION (1~15 chars =):

CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter script file name:
 - Type (file name).
 - Press <RETURN>.
 - Observe P/R line:
- Enter DATA BASE REVISION (1~15 chars =):
 - To enter database revision:
 - Type (database revision).
 - Press <RETURN>.
 - Observe ADVS line:
 - xxx:xx:xx:xx scriptor > Scriptor session initialization complete.
 - Observe P/R line:
 - Command shipped. Enter next command.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

ENTERING A SCRIPT FILE PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- ENTERING A SCRIPT FILE PROCEDURES

A script file is used by data generator in generating a test file.

Interactive scriptor is used to generate a script file.

DISPLAY

Display is Interactive Scriptor Menu

ws1

Menu name is 'scriptor'

Enter the number or letter of your selection:

1

HWCO Scriptor Session Initialization

2

OD FRAME Scriptor Session Initialization

3

DCP Scriptor Session Initialization

4

NASCOM Scriptor Session Initialization

5

Initialize H&S Scriptor Session

6

Enter Scriptor Line

7

Abort Scriptor Session

0

BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:xxx:xx:xx:xx:scriptor > Input script lines.

CNTL:

F1 = REFR

F2 = TOP

F3 = RPRT

F4 = ADVS

F5 = HIST

PROCEDURE

- To begin a script file:
--Type 6.
- Observe following advisory appears on ADVS line:
xxx:xx:xx:xx:scriptor > Input script lines.

DESCRIPTION

- ENTERING A SCRIPT FILE PROCEDURES (Cont.)

Script file is entered one line at a time.

Example script file (example.script):

```
init,mess=dcf,data=00TRA,vehi=23,type=alg1
clock=1
formats,oi=129
end=2
```

For further information on script files, refer to CAS requirements document.

DISPLAY

CHAPT 7 CHECKOUT PROCEDURES	
SECTION 1 INVOKING CHECKOUT PROCEDURES	
SECTION 2 SCRIPTOR PROCEDURES	
SECTION 3 DATA GENERATOR PROCEDURES	
SECTION 4 SCORING PROCEDURES	

Display is Interactive Scriptor Menu
ws1 Menu name is 'scriptor'

GMT XXX.XX.XX:XX

Enter the number or letter of your selection:

- 1 HWCO Scriptor Session Initialization
- 2 OD FRAME Scriptor Session Initialization
- 3 DCP Scriptor Session Initialization
- 4 NASCOM Scriptor Session Initialization
- 5 Initialize H&S Scriptor Session
- 6 Enter Scriptor Line
- 7 Abort Scriptor Session
- 0 BACK to previous menu

ADVS:xxx:xx:xx:xx scriptor > script line accepted.

CNTL:script lin = init,mess = dcp,data = 00TRA,vehi = 23,type = alg1
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter first line of script file:
 - Type (first line of script file).
 - Press <RETURN>.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx scriptor > script line accepted.
- Observe CNTL line reads:
script lin = (first line of script).

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE (Cont.)

- To enter first line of script file:

EXAMPLE:

```
--Type init,mess=dcg,data=00TRA,vehi=23,type=alg1.
--Press <RETURN>.
--Observe following advisory appears on ADVS line:
    xxx:xx:xx:xx scriptor > script line accepted.
--Observe CNTL line reads:
    script lin = init,mess = dcg,data = 00TRA,vehi = 23,type = alg1.
```

DESCRIPTION

- ENTERING A SCRIPT FILE PROCEDURES (Cont.)

Entering next script line.

Example script file (example.script):

```
init, mess=dcg, data=00TRA, vehi=23, type=alg1
clock=1
formats, oi=129
end=2
```

DISPLAY

Display is Interactive Scripter Menu
ws1 Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWCO Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

ADVS:

CNTL: script lin = clock = 1
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter next line of script file:
 - Type 6.
 - Observe following prompt appears on P/R line:
Enter NEXT SCRIPT LINE (1~72 chars =):
--Type (next script line).
--Press <RETURN>.
- Observe following prompts appears on ADVS line:
 - xxx:xx:xx:xx scriptor > script line accepted.
 - Observe CNTL line reads:
script lin = (next script line)

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPTER 7 CHECKOUT PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE (Cont.)

- To enter next line of script file:

EXAMPLE:

--Type 6.

--Observe following prompt appears on P/R line:

Enter NEXT SCRIPT LINE (1~72 chars =):

--Type clock = 1.

--Press <RETURN>.

--Observe following advisory appears on ADVS line:

xxx:xx:xx:xx scriptor > script line accepted.

--Observe CNTL line reads:

script lin = clock = 1

- To continue through example.script file:

--Type 6.

--Observe following prompt appears on P/R line:

Enter NEXT SCRIPT LINE (1~72 chars =):

--Type formats,oi = 129.

--Press <RETURN>.

--Observe following advisory appears on ADVS line:

xxx:xx:xx:xx scriptor > script line accepted.

--Observe CNTL line reads:

script lin = formats,oi = 129

DESCRIPTION

- ENTERING A SCRIPT FILE PROCEDURES (Cont.)

Entering last script line.

Example script file (example.script):

```
init, mess=dep, data=00TRA, vehi=23, type=alg1
clock=1
formats, oi=129
end=2
```

DISPLAY

Display is Interactive Scripter Menu
ws1
Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWC0 Scriptor Session Initialization

2 OD FRAME Scriptor Session Initialization

3 DCP Scriptor Session Initialization

4 NASCOM Scriptor Session Initialization

5 Initialize H&S Scriptor Session

6 Enter Script Line

7 Abort Scriptor Session

0 BACK to previous menu

ADV\$: xxx:xx:xx scriptor > Script file completed.

CNTL: script lin = end = 2
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

PROCEDURE

- To enter last line of script file:
 - Type 6.
 - Type end = (time in seconds).
 - Press <RETURN>.
- Observe following prompt appears on ADVS line:
 - xxx:xx:xx:xx scriptor > Script file completed.
- Observe CNTL line reads:
 - script lin = end = (time in seconds)

**CHAPTER 7
CHECKOUT
PROCEDURES****SECTION 1
INVOKE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES****PROCEDURE (Cont.)**

- To enter last line of example.script file:
 - Type 6.
 - Observe following prompt appears on P/R line:
Enter **NEXT SCRIPT LINE** (1~72 chars =):
--Type end=2.
 - Press <RETURN>.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx scriptor > Script file completed.
 - Observe **CNTL** line reads:
script lin = end = 2

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

ABORT SCRIPTOR PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOLVE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

● ABORT SCRIPTOR PROCEDURE

Aborts scriptor process.

After aborting scriptor process, scriptor session must be reinitialized before scriptor is used again.

DISPLAY

Display is Interactive Scriptor Menu
ws1
Menu name is 'scriptor'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 HWC0 Scriptor Session Initialization
2 OD FRAME Scriptor Session Initialization
3 DCP Scriptor Session Initialization
4 NASCOM Scriptor Session Initialization
5 Initialize H&S Scriptor Session
6 Enter Script Line
7 Abort Scriptor Session
0 BACK to previous menu

ADVS: xxx:xx:xx:xx scriptor > Scriptor process aborted.
Command shipped. Enter next command.
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To abort scriptor:
 - Type Z.
 - Observe ADVS line:
 - xxx:xx:xx:xx scriptor > Scriptor process aborted.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

LISTING SCRIPT FILES UTILITY PROCEDURE

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

● LISTING SCRIPT FILES UTILITY PROCEDURE

Listing script files is not a required step in checkout procedures.

Script files are logged in directory as /cas/application/checkout/script_files.

DISPLAY

Display is Interactive Scriptor Menu		GMT XXX:XX:XX:XX
ws1 Menu name is 'scriptor'		

NOTE		
Listing of script files appears in this area of screen.		

ADVS:		
CNTL:		
F1 = REFR	F2 = TOP	F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To list script files:
 - Type scriptfiles.
 - Press <RETURN>.
 - Observe directory listing of all checkout/script_files appears.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

DATA GENERATOR PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

SECTION 3
DATA GENERATOR PROCEDURES

Table of contents

<u>Procedure</u>	<u>Page</u>
Calling Up Data Generator Procedure	7-41
Initializing Data Generator Procedures	7-43
Initializing Data Generator for Previously Generated Data Procedures	7-53
Enable Data Generator Procedures	7-63
Stopping Data Generator Procedure	7-67

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

CALLING UP DATA GENERATOR PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- CALLING UP DATA GENERATOR PROCEDURES

These data generator procedures apply to both CAS and NDD workstations, unless otherwise specified.

Data generator emulates a selected data source, generating a test file from script file.

DISPLAY

Display is Checkout Software Menu

ws1 Menu name is 'cosw'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Interactive Scriptor

2 Data Generator

3 Scoring

0 BACK to previous menu

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To call up data generator menu:
--Type 2.
- Observe data generator menu appears.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

INITIALIZING DATA GENERATOR PROCEDURES

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES

Selects data generator for initialization.

Data generator should be same type as data type used in script file.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen' GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

- 1 OD FRAMES Data Generator Initialization
- 2 DCP Data Generator Initialization
- 3 H&S Data Generator Initialization
- 4 NASCOM Data Generator Initialization
- 5 Enable Data Generator
- 6 Stop Data Generator
- 0 BACK to previous menu

ADV5:
PREVIOUSLY GENERATED DATA (1~15 chars = /0):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select orbiter downlink frames data generator:
--Type 1.
- Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = /0):
- To select data cycle packets data generator:
--Type 2.
- Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = /0):

PROCEDURE (Cont.)

- To select health and status message data generator:
 - Type 3.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = /0):
- To select NASCOM data block data generator:
 - Type 4.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = /0):

**CHAPT 7
CHECKOUT
PROCEDURES****SECTION 1
INVOKE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES**

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

Previously-generated data is data generated by data generator in a prior run and logged. Previously-generated data can be used in place of script file. When initializing data generator for previously-generated data, refer to initializing data generator for previously-generated data procedures.

These initializing data generator procedures are employed when using a script file.

DISPLAY

Display is Data Generator Menu ws1 Menu name is 'datagen'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:	
<ul style="list-style-type: none"> 1 OD FRAMES Data Generator Initialization 2 DCP Data Generator Initialization 3 H8S Data Generator Initialization 4 NASCOM Data Generator Initialization 5 Enable Data Generator 6 Stop Data Generator 0 BACK to previous menu 	
ADVS: Enter SCRIPT FILE NAME (1~15 chars = /0): CNTL:	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- For script files:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter SCRIPT FILE NAME (1~15 chars = /0):

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

Enter script file name generated in interactive scriptor procedures.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen' GMT XXX.XX.XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADVS:
VALIDATE ONLY? (1~3 chars = no):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To enter script file name:
--Type (file name).
--Press <RETURN>.
- Observe following prompt appears on P/R line:
VALIDATE ONLY? (1~3 chars = no):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES	SECTION 2 SCRIPTOR PROCEDURES	SECTION 3 DATA GENERATOR PROCEDURES	SECTION 4 SCORING PROCEDURES
--	-------------------------------------	---	------------------------------------

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

If selected, data generator validates file, only listing any errors found.

If no errors are found, continues to next prompt.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADV5:
Enter OUTPUT DEVICE (1~20 chars = /dev/null):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To validate file:
 - Type yes.
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT DEVICE (1~20 chars = /dev/null):
- To not validate file:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT DEVICE (1~20 chars = /dev/null):

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

Select output device. An output device may be any valid UNIX file name or UNIX device.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 CD FRAMES Data Generator Initialization

2 DCP Data Generator Initialization

3 H&S Data Generator Initialization

4 NASCOM Data Generator Initialization

5 Enable Data Generator

6 Stop Data Generator

0 BACK to previous menu

ADVS:
Enter DATA RATE [1..200] (1 ~15 = 100):

CNTL:

F1 = REFR

F2 = TOP

F3 = RPRT

F4 = ADVS

F5 = HIST

PROCEDURE

- To select output device:
 - Type (device name).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter DATA RATE [1..200] (1 ~15 = 100):
- To send to null device:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter DATA RATE [1..200] (1 ~15 = 100):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

Select data rate. Data rate is percentage of nominal rate.

Defaults to a data rate of 100% of nominal rate.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

Enter the number or letter of your selection:
1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADVS:
Enter NDD ID [1-9] (1~1 = 1):
CNTL: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select data rate:
 - Type (any value 1 to 200).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)
- Select NDD by identification number.
- Defaults to NDD1.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen' GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization

2 DCP Data Generator Initialization

3 H&S Data Generator Initialization

4 NASCOM Data Generator Initialization

5 Enable Data Generator

6 Stop Data Generator

0 BACK to previous menu

ADVS:xxx:xx:xx:xx data generator > command shipped.
Waiting for commands.
CNTL:

F1 = REFR

F2 = TOP

F3 = RPRT

F4 = ADVS

F5 = HIST

PROCEDURE

- To select NDD:
 - Type (NDD Id number).
 - Press <RETURN>.
 - Observe advisory line reads:
xxx:xx:xx:xx data generator > command shipped.

--Observe P/R line reads:
Waiting for commands.

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR PROCEDURES (Cont.)

Pause for commands:

If data generator output is to be logged, user enables logger at this point.

If output is not logged, data generator is enabled.

DISPLAY

Display is Data Generator Menu		GMT XXX:XX:XX
ws1 Menu name is 'datagen'		

Enter the number or letter of your selection:		
1	OD FRAMES Data Generator Initialization	
2	DCP Data Generator Initialization	
3	H&S Data Generator Initialization	
4	NASCOM Data Generator Initialization	
5	Enable Data Generator	
6	Stop Data Generator	
0	BACK to previous menu	

ADVS:		
CNTL:		
		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- If logging output:
 - Enable logger function.
 - Enable data generator.
- If not logging output:
 - Enable data generator.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

INITIALIZING DATA GENERATOR FOR PREVIOUSLY-GENERATED DATA PROCEDURES

DESCRIPTION

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES	SECTION 2 SCRIPTOR PROCEDURES	SECTION 3 DATA GENERATOR PROCEDURES	SECTION 4 SCORING PROCEDURES
--	-------------------------------------	---	------------------------------------

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY GENERATED DATA PROCEDURES

Select data generator for initialization.

Data generator should be same type as data type used for previously-generated data.

Before data generator is run for previously-generated data, log file containing previously-generated data must appear in /cas/applications/checkout/log_files directory.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADVS:
PREVIOUSLY GENERATED DATA (1~15 chars = null):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select orbiter downlink frames data generator:
 - Type 1.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = null):
- To select data cycle packets data generator:
 - Type 2.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = null):

PROCEDURE (Cont.)

- To select health and status message data generator:
 - Type 3.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = null):
- To select NASCOM data block data generator:
 - Type 4.
 - Observe following prompt appears on P/R line:
PREVIOUSLY GENERATED DATA (1~15 chars = null):

**CHAPT 7
CHECKOUT
PROCEDURES****SECTION 1
INVOKE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES**

CHAPT 7 CHECKOUT PROCEDURES	DESCRIPTION
SECTION 1 INVOKE CHECKOUT PROCEDURES	<ul style="list-style-type: none"> INITIALIZING DATA GENERATOR FOR PREVIOUSLY GENERATED DATA PROCEDURES (Cont.)
SECTION 2 SCRIPTOR PROCEDURES	<p>Previously generated data is data generated by data generator in a prior run and that has been logged to disk.</p>
SECTION 3 DATA GENERATOR PROCEDURES	<p>Log file containing previously-generated data is entered.</p>
SECTION 4 SCORING PROCEDURES	

PROCEDURE

- To enter log file name:
 - Type (file name).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter SCRIPT FILE NAME (1~15 chars =):

DISPLAY

Display is Data Generator Menu
 ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
 2 DCP Data Generator Initialization
 3 H&S Data Generator Initialization
 4 NASCOM Data Generator Initialization
 5 Enable Data Generator
 6 Stop Data Generator
 0 BACK to previous menu

ADVS:
 Enter SCRIPT FILE NAME (1~15 chars =):
 CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

DESCRIPTION

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY-GENERATED DATA PROCEDURES (Cont.)
- Enter name of script file used to generate previously-generated data.

DISPLAY

Display is Data Generator Menu

ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization

2 DCP Data Generator Initialization

3 H&S Data Generator Initialization

4 NASCOM Data Generator Initialization

5 Enable Data Generator

6 Stop Data Generator

0 BACK to previous menu

ADV5:

VALIDATE ONLY? (1~3 chars = no):

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter script file name:
--Type (file name).
--Press <RETURN>.
- Observe following prompt appears on P/R line:
VALIDATE ONLY? (1~3 chars = no):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY GENERATED DATA PROCEDURES (Cont.)

Validation not applicable for previously-generated data. Press <RETURN> to continue.

DISPLAY

Display is Data Generator Menu
ws1
Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADV5:
Enter OUTPUT DEVICE (1~20 chars = dev/null):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To continue:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT DEVICE (1~20 chars = dev/null):

DESCRIPTION

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY-GENERATED DATA PROCEDURES (Cont.)

Select output device.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization

2 DCP Data Generator Initialization

3 H&S Data Generator Initialization

4 NASCOM Data Generator Initialization

5 Enable Data Generator

6 Stop Data Generator

0 BACK to previous menu

ADVS:
Enter DATA TYPE RATE [1..200] (1~15 chars = 100):

CNTL: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select null output device:
--Press <RETURN>.
--Observe following prompt appears on P/R line:
Enter DATA TYPE RATE [1..200] (1~15 chars = 100):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY GENERATED DATA PROCEDURES (Cont.)

Select data rate. Data rate is percentage of nominal rate.

Defaults to a data rate of 100% of nominal data rate.

DISPLAY

Display is Data Generator Menu
ws1
Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H8S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

ADV5:
Enter NDD ID [1-9] (1~1 = 1):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select data rate:
 - Type (any value 1 to 200).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):

DESCRIPTION

- INITIALIZING DATA GENERATOR FOR PREVIOUSLY GENERATED DATA PROCEDURES (Cont.)

Select NDD by identification number.

Defaults to NDD1.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

- 1 OD FRAMES Data Generator Initialization
- 2 DCP Data Generator Initialization
- 3 H&S Data Generator Initialization
- 4 NASCOM Data Generator Initialization
- 5 Enable Data Generator
- 6 Stop Data Generator
- 0 BACK to previous menu

ADVS:xxx:xx:xx data generator > command shipped.

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To select NDD:
 - Type (NDD Id number).
 - Press <RETURN>.
 - Observe advisory line reads:
 - xxx:xx:xx:xx data generator > command shipped.

--Observe P/R line reads:

Waiting for commands.

--Enable data generator

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

ENABLE DATA GENERATOR PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOLVE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

● ENABLE DATA GENERATOR PROCEDURE

Enables data generator. After data generator is initialized, data generator must be enabled to process data.

Data Generator Complete advisory indicates generator successfully completed session.

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

Enter the number or letter of your selection:

1 OD FRAMES Data Generator Initialization
2 DCP Data Generator Initialization
3 H&S Data Generator Initialization
4 NASCOM Data Generator Initialization
5 Enable Data Generator
6 Stop Data Generator
0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
Enter Process Name (1~15 chars = data__generator):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enable data generator:
 - Type 5.
 - Observe P/R line reads:
Enter Process Name (1~15 chars = data__generator):
- To select data generator process:
 - Press <RETURN> .
 - Observe ADVS line reads:
xxx:xx:xx:xx data generator > Data Generator Complete
 - Observe P/R line reads:
Command shipped. Enter next command.

PROCEDURE (Cont.)

- To select another process:
 - Type (process name).
 - Press <RETURN>.
 - Observe ADVS line reads:
 - xxx:xx:xx:xx (process name) > Data Generator Complete
 - Observe P/R line reads:
 - Command shipped. Enter next command.

**CHAPT 7
CHECKOUT
PROCEDURES****SECTION 1
INVOLVE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES**

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

STOPPING DATA GENERATOR PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

DESCRIPTION

- STOPPING DATA GENERATOR PROCEDURES

Stops data generator. Stop generator command is used to halt data generator session during processing.

Data generator normally terminates at end of session.

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

DISPLAY

Display is Data Generator Menu
ws1 Menu name is 'datagen'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

- 1 OD FRAMES Data Generator Initialization
- 2 DCP Data Generator Initialization
- 3 H&S Data Generator Initialization
- 4 NASCOM Data Generator Initialization
- 5 Enable Data Generator
- 6 Stop Data Generator
- 0 BACK to previous menu

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To stop data generator:
--Type 6.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

SCORING PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

SECTION 4
SCORING PROCEDURES

Table of contents

<u>Procedure</u>	<u>Page</u>
Calling Up Scoring Procedure	7-71
Initialize HWC0 Scoring Procedures	7-75
Enable HWC0 Scoring Procedures	7-89
Enable Software Checkout Scoring Procedures	7-91
Stop Scoring Procedure	7-101
View Scoring Utility Procedure	7-103

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVORE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CALLING UP SCORING PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- CALLING UP SCORING PROCEDURE

Calls up scoring menu from checkout software menu.

DISPLAY

Display is Checkout Software Menu
ws1

Menu name is 'cosw'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Interactive Scriptor
2 Data Generator
3 Scoring
0 BACK to previous menu

ADV5:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADV5 F5 = HIST

PROCEDURE

- To call up scoring menu:
--Type 3.
- Observe scoring menu appears:

DESCRIPTION

- CALLING UP SCORING PROCEDURE (Cont.)
- Scoring menu. Lists commands used in controlling scoring process.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADV5:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADV5 F5 = HIST

PROCEDURE

- To select desired command:
- -TYPE (number).

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

INITIALIZE HWC0 SCORING PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE

Scoring menu.

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DISPLAY

Display is Scoring Menu

ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:

Enter SCRIPT FILE NAME (1~15 chars =):

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To initialize scoring:
--Type 1.
- Observe following prompt appears on P/R line:
Enter SCRIPT FILE NAME (1~15 chars =):

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE
(Cont.)

Enter script file name.

DISPLAY

Display is Scoring Menu ws1 Menu name is 'score'	GMT XXX:XX:XX:XX

Enter the number or letter of your selection:	
1 Initialize HWCO Scoring 2 HWCO Scoring Enable 3 DCP Scoring Enable 4 NASCOM Scoring Enable 5 Stop Scoring 0 BACK to previous menu	

ADVS: Enter INPUT DEVICE OR FILE (1~15 chars =): CNTL:	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

**CHAPT 7
CHECKOUT
PROCEDURES**SECTION 1
INVOKE CHECKOUT
PROCEDURESSECTION 2
SCRIPTOR
PROCEDURESSECTION 3
DATA GENERATOR
PROCEDURESSECTION 4
SCORING
PROCEDURES**PROCEDURE**

- To enter script file name:
--Type (script file name).
--Press <RETURN>.
- Observe following prompt appears on P/R line:
Enter INPUT DEVICE OR FILE (1~15 chars =):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE (Cont.)

Enter input device.

For checkout of NCIU interface using OD (HWCO) frame data type, input device is /dev/nciu.

DISPLAY

Display is Scoring Menu

ws1 Menu name is 'score'

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
ADVISORIES TO BE SUPPRESSED (1~72 = 0):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter input device:
 - Type (device).
 - Press <RETURN>.
- Observe following prompt appears on P/R line:
ADVISORIES TO BE SUPPRESSED (1~72 = 0):

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE (Cont.)

Select advisories to be suppressed.

DISPLAY

Display is Scoring Menu ws1 Menu name is 'score'	GMT XXX:XX:XX:XX

Enter the number or letter of your selection:	
1 Initialize HWCO Scoring 2 HWCO Scoring Enable 3 DCP Scoring Enable 4 NASCOM Scoring Enable 5 Stop Scoring 0 BACK to previous menu	

ADVS: Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw_results): CNTL:	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To suppress particular advisories:
 - Type (advisory number).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw_results):
- To not suppress any advisories:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw_results):

**CHAPT 7
CHECKOUT
PROCEDURES**

 SECTION 1
INVOKE CHECKOUT
PROCEDURES

 SECTION 2
SCRIPTOR
PROCEDURES

 SECTION 3
DATA GENERATOR
PROCEDURES

 SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES	SECTION 2 SCRIPTOR PROCEDURES	SECTION 3 DATA GENERATOR PROCEDURES	SECTION 4 SCORING PROCEDURES
--	-------------------------------------	---	------------------------------------

DESCRIPTION

- INITIALIZE HWC0 SCORING PROCEDURE (Cont.)

Enter name of file in which scoring results are written.

DISPLAY

Display is Scoring Menu
ws1
Menu name is 'score'

Enter the number or letter of your selection:
1 Initialize HWC0 Scoring
2 HWC0 Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
Enter START TIME [seconds] (1~5 = 1):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter file name:
--Type (file name).
--Press <RETURN>.
- To default to cosw_results file:
--Press <RETURN>.
- Observe following prompt appears on P/R line:
Enter START TIME [seconds] (1~5 = 1):

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE (Cont.)

Enter start time for scoring to begin data comparison.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:
Enter END TIME [seconds] (1~5 = 1):

CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter start time (in seconds):
 - Type (any value 1 to 5).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter END TIME [seconds] (1~5 = 1):
- To default to one-second start time:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter END TIME [seconds] (1~5 = 1):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZE HWC0 SCORING PROCEDURE (Cont.)

Enter end time for scoring to complete data comparison.

If end time is greater than end time specified in script file, script file end time is used.

DISPLAY

Display is Scoring Menu
ws1
Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring
2 HWC0 Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

ADVS:
Enter SCORING MODE [s,a,or 1] (1~1 = a):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter end time (in seconds):
 - Type (any value 1 to 5).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter SCORING MODE [s,a,or 1] (1~1 = a):
- To default to 10-second end time:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter SCORING MODE [s,a,or 1] (1~1 = a):

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE (Cont.)
Enter scoring mode.
A = All. Does a complete score.
S = Single error mode. Stops scoring upon encountering first error. Scoring must be initialized again after scoring has stopped.
l = Logging. Logs data from NCIU using logger function.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX.XX:XX:XX

Enter the number or letter of your selection:
1 Initialize HWCO Scoring
2 HWCO Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

ADVS:
Enter Low Bit Rate/High Bit Rate [lbr/hbr] (1~3 = hbr):
CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter scoring mode:
--Type a, s, or l.
--Press <RETURN>.
--Observe following prompt appears on P/R line:
Enter Low Bit Rate/High Bit Rate [lbr/hbr] (1~3 = hbr):
- To default to scoring mode a:
--Press <RETURN>.
--Observe following prompt appears on P/R line:
Enter Low Bit Rate/High Bit Rate [lbr/hbr] (1~3 = hbr):

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

CHAPT 7 CHECKOUT PROCEDURES	DESCRIPTION
SECTION 1 INVOKE CHECKOUT PROCEDURES	<ul style="list-style-type: none"> INITIALIZE HWCO SCORING PROCEDURE (Cont.)
SECTION 2 SCRIPTOR PROCEDURES	<p>Select high or low bit rate. Selection must be compatible with TCOS HWCO selection at TPC.</p>
SECTION 3 DATA GENERATOR PROCEDURES	
SECTION 4 SCORING PROCEDURES	

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring
2 HWCO Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

ADVS:
Enter NDD ID [1-9] (1~1 = 1):
CNTL: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select low bit rate:
 - Type lbr.
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):
- To select high bit rate:
 - Type hbr.
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):

PROCEDURE (Cont.)

- To default to high bit rate:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):

**CHAPT 7
CHECKOUT
PROCEDURES****SECTION 1
INVOKE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES**

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- INITIALIZE HWCO SCORING PROCEDURE (Cont.)

Select NDD by identification number.

DISPLAY

Display is Scoring Menu

ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:
Waiting for commands.

CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To select NDD:
 - Type (NDD Id number).
 - Press <RETURN>.

- Observe following prompt appears on P/R line:
Waiting for commands.

PROCEDURE (Cont.)

- To default to NDD 1:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Waiting for commands.

**CHAPT 7
CHECKOUT
PROCEDURES****SECTION 1
INVOKE CHECKOUT
PROCEDURES****SECTION 2
SCRIPTOR
PROCEDURES****SECTION 3
DATA GENERATOR
PROCEDURES****SECTION 4
SCORING
PROCEDURES**

DESCRIPTION

- INITIALIZE HWC0 SCORING PROCEDURE (Cont.)

Pause for commands:

If logging scoring mode is selected, user begins scoring.

If any other scoring mode is selected, user performs enable HWC0 scoring enable procedure.

DISPLAY

Display is Scoring Menu

ws1

Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring

2 HWC0 Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:

CNTL:

F1 = REFR

F2 = TOP

F3 = RPRT

F4 = ADVS

F5 = HIST

PROCEDURE

- If logging scoring mode is selected:
 - Begin logging.
 - Perform enable scoring procedures.
- If other scoring mode is selected:
 - Perform enable scoring procedures.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

ENABLE HWCO SCORING PROCEDURE

DESCRIPTION

CHAPT 7
CHECKOUT
PROCEDURES

● ENABLE HWC0 SCORING PROCEDURE

SECTION 1
INVOKE CHECKOUT
PROCEDURES

Enable scoring. After initializing HWC0 scoring, scoring must be enabled before data comparison begins.

SECTION 2
SCRIPTOR
PROCEDURES

After successfully completing data comparison, Scoring Completed advisory appears.

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DISPLAY

Display is Scoring Menu

ws1 Menu name is 'score'

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring

2 HWC0 Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:xxx:xx:xx score > Scoring Completed.

CNTL: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enable HWC0 scoring:
 - Type 2.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx score > Scoring Completed.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1 INVOKE CHECKOUT PROCEDURES
SECTION 2 SCRIPTOR PROCEDURES
SECTION 3 DATA GENERATOR PROCEDURES
SECTION 4 SCORING PROCEDURES

ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE

CHAPT 7 CHECKOUT PROCEDURES

SECTION 1 INVOKE CHECKOUT PROCEDURES

SECTION 2 SCRIPTOR PROCEDURES

SECTION 3 DATA GENERATOR PROCEDURES

SECTION 4 SCORING PROCEDURES

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE

For software checkout:

Select DCP scoring enable when scoring data cycle packets.

Select NASCOM scoring enable when scoring NASCOM data blocks.

DISPLAY

Display is Scoring Menu ws1 Menu name is 'score'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:	
1 Initialize HWCO Scoring 2 HWCO Scoring Enable 3 DCP Scoring Enable 4 NASCOM Scoring Enable 5 Stop Scoring 0 BACK to previous menu	

ADVS: Enter SCRIPT FILE NAME (1~15 chars =): CNTL:	F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enable DCP scoring:
 - Type 3.
 - Observe following prompt appears on P/R line:
Enter SCRIPT FILE NAME (1~15 chars =):
- To enable NASCOM scoring:
 - Type 4.
 - Observe following prompt appears on P/R line:
Enter SCRIPT FILE NAME (1~15 chars =):

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Enter file name of script file generated for data being scored.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring

2 HWC0 Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADV5:
Enter INPUT DEVICE OR FILE (1~15 chars =):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To enter script file name:
 - Type (script file name).
 - Press <RETURN>.
- Observe following prompt appears on P/R line:
Enter INPUT DEVICE OR FILE (1~15 chars =):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Enter file name of log file containing data (DCP or NASCOM) to be scored.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

Enter the number or letter of your selection:

1 Initialize HWCO Scoring
2 HWCO Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
ADVISORIES TO BE SURPRESSED (1~72 = 0):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter input file:
--Type (file name).
--Press <RETURN>.
- Observe following prompt appears on P/R line:
ADVISORIES TO BE SURPRESSED (1~72 = 0):

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Select advisories to be suppressed.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:
Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw__results):

CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To suppress particular advisories:
 - Type (advisory number).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw__results):
- To not suppress any advisories:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter OUTPUT LIST DEVICE OR FILE (1~20 = cosw__results):

CHAPT 7
CHECKOUT
PROCEDURES

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Enter name of output file to write results of scoring.

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX.XX

Enter the number or letter of your selection:

1 Initialize HWCO Scoring
2 HWCO Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

ADVS:
Enter START TIME [seconds] (1~5 = 1):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter name of output file:
 - Type (file name).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter START TIME [seconds] (1~5 = 1):
- To default to cosw_results file:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter START TIME [seconds] (1~5 = 1):

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Start and end times determine length of time scoring is run.

Enter start time to begin scoring.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

Enter the number or letter of your selection:

1 Initialize HWCO Scoring

2 HWCO Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
Enter END TIME [seconds] (1~5 = 1):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter start time (in seconds):
 - Type (any value 1 to 5).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter END TIME [seconds] (1~5 = 1):
- To default to one second start time:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter END TIME [seconds] (1~5 = 1):

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

CHAPT 7
CHECKOUT
PROCEDURES

- SECTION 1
INVOKE CHECKOUT
PROCEDURES
- SECTION 2
SCRIPTOR
PROCEDURES
- SECTION 3
DATA GENERATOR
PROCEDURES
- SECTION 4
SCORING
PROCEDURES

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Enter end time of scoring.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring
2 HWC0 Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

ADV5:
Enter NDD ID [1-9] (1~1 = 1):
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To enter end time:
 - Type (any value 1 to 5).
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):
- To default to 10-second end time:
 - Press <RETURN>.
 - Observe following prompt appears on P/R line:
Enter NDD ID [1-9] (1~1 = 1):

DESCRIPTION

- ENABLE SOFTWARE CHECKOUT SCORING PROCEDURE (Cont.)

Select NDD by identification number.

DISPLAY

Display is Scoring Menu
ws1 Menu name is 'score'

GMT XXX-XX:XX:XX

Enter the number or letter of your selection:

1 Initialize HWC0 Scoring

2 HWC0 Scoring Enable

3 DCP Scoring Enable

4 NASCOM Scoring Enable

5 Stop Scoring

0 BACK to previous menu

ADVS:
xxx:xx:xx score > Scoring completed.
CNTL:
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To select NDD:
 - Type (NDD Id number).
 - Press <RETURN>.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx score > Beginning Comparison.
- Observe scoring runs for length of time specified.
- Observe following advisory appears on ADVS line:
xxx:xx:xx:xx score > Scoring completed.

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE (Cont.)

- To default to NDD 1:
 - Press <RETURN>.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx score > Beginning comparison.
 - Observe scoring runs for length of time specified.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx score > Scoring completed.

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

STOP SCORING PROCEDURE

CHAPT 7
CHECKOUT
PROCEDURES

DESCRIPTION

● STOP SCORING PROCEDURE

Stop scoring command halts scoring before scoring is completed. Once scoring is stopped, user must enable scoring again.

Scoring normally terminates automatically after a successful scoring session.

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DISPLAY

Display is Scoring Menu ws1	Menu name is 'score'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:		
1 Initialize HWC0 Scoring 2 HWC0 Scoring Enable 3 DCP Scoring Enable 4 NASCOM Scoring Enable 5 Stop Scoring 0 BACK to previous menu		
ADVS:		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST
CNTL:		

PROCEDURE

- To stop scoring:
 - Type 5.
 - Observe following advisory appears on ADVS line:
xxx:xx:xx:xx score > Scoring Halted

C-2

**CHAPT 7
CHECKOUT
PROCEDURES**

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

VIEW SCORING UTILITY PROCEDURE

DESCRIPTION

DISPLAY

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

VIEW SCORING UTILITY PROCEDURE

Results of scoring are stored under
/cas/application/checkout/score_files/cosw
_results directory.

Display is Scoring Menu
ws1 Menu name is 'score'

Enter the number or letter of your selection:
1 Initialize HWCO Scoring
2 HWCO Scoring Enable
3 DCP Scoring Enable
4 NASCOM Scoring Enable
5 Stop Scoring
0 BACK to previous menu

GMT XXX:XX:XX:XX

ADVS:
CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To view scoring results:
 - Type scorview.
 - Press <RETURN>.
 - Observe scoring report appears.

DESCRIPTION

- VIEW SCORING UTILITY PROCEDURE (Cont.)
- Page 1 of typical scoring results.

DISPLAY

EXAMPLE OF SCORING RESULTS

Display is cas/application/checkout/score_files/cosw_results GMT XXX:XX:XX:XX

CAS CHECKOUT SOFTWARE

PAGE 1

VERSION: 1.1 CURRENT DATE: Wed Jan 8 10:07:33 1986

DATA SCORED dcp FLIGHT ID: 00-1 RELEASE DATE: Mon Apr 29 1:00:00 1985

CURRENT CYCLE CLOCK = 1

Current Window = 0

adv# 11 dcp header error-ndd id: expected = 07 received = 04

ADVS:

CNTL:

CHAPT 7
CHECKOUT
PROCEDURES

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

PROCEDURE

- To view next page:
 - Type page2.
 - Press <RETURN>.
 - Observe next page of scoring results appears.

CHAPT 7
CHECKOUT
PROCEDURES

DESCRIPTION

- VIEW SCORING UTILITY PROCEDURE
(Cont.)

Page 2 of typical scoring results.

SECTION 1
INVOKE CHECKOUT
PROCEDURES

SECTION 2
SCRIPTOR
PROCEDURES

SECTION 3
DATA GENERATOR
PROCEDURES

SECTION 4
SCORING
PROCEDURES

DISPLAY

EXAMPLE OF SCORING RESULTS

Display is cas/application/checkout/score_files/cosw_results GMT XXX:XX:XX:XX

CAS CHECKOUT SOFTWARE PAGE 2

total number of advisories = 1

totals per advisory number

adv # = 11 number of occurrences = 1

start cycle clock = 1

final cycle clock = 1

scoring completed (out of log data)

bit rate = high

data pattern = Algorithmic 1

ADVS:

CNTL:

PROCEDURE

- (None)

CHAPTER 1 OVERVIEW
CHAPTER 2 USERS
CHAPTER 3 INTRO TO OPERATION
CHAPTER 4 GENERAL PROCEDURES
CHAPTER 5 DFE PROCEDURES
CHAPTER 6 MISSION PLANNER PROCEDURES
CHAPTER 7 CHECKOUT PROCEDURES
CHAPTER 8 MAINTENANCE PROCEDURES
CHAPTER 9 SYSTEM MANAGER PROCEDURES

CHAPTER 8
MAINTENANCE USER PROCEDURES

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

CHAPTER 8
MAINTENANCE USER PROCEDURES

Table of Contents

<u>Section</u>		<u>Page</u>
1	Boot Procedures	8-3
2	File Maintenance Procedures	8-23

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT PROCEDURES**

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

SECTION 1
BOOT PROCEDURES

Table of Contents

<u>Procedure</u>		<u>Page</u>
1	Exit CAS Procedure	8-5
2	State 1 - Boot Procedure	8-7
3	State 2 - Boot Procedure	8-11
4	State 3 - Boot Procedure	8-17

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

EXIT CAS PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

● EXIT CAS PROCEDURE

User must exit operational CAS application before loading software baseline.

NOTE

Only users logged on to CAS as a CAS *superuser* can bring system down.

DISPLAY

Display is Workstation Master Menu ws1 Menu name is 'master'	GMT XXX:XX:XX.XX
Enter the number or letter of your selection:	
<ul style="list-style-type: none"> 1 Real time support 2 Health and status 3 Logging function 4 Delogging function 5 Mission planning 6 Checkout Software 7 Utilities 	
ADVS:	
CNTL:	F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To bring CAS down:
--Type exit.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

STATE 1 - BOOT PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

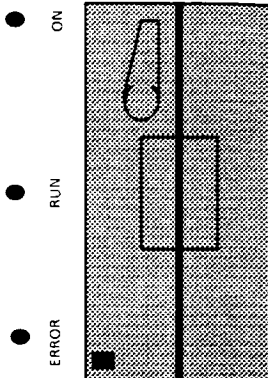
DESCRIPTION

- STATE 1 - BOOT PROCEDURE
State 1 boot procedure brings system to UNIX single-user mode.

DISPLAY

CONTROLS AND INDICATORS ON MASSCOMP
CENTRAL PROCESSING UNIT (CPU)

DISK	TERMINAL	RESET	POWER
FLOPPY	GRAPHIC 0	SOFTWARE	ON
CONSOLE	LOCAL	HARDWARE	OFF
HARD	REMOTE		



PROCEDURE

- At MASSCOMP central processing unit (CPU):
 - Place 3-position **DISK** switch to **CONSOLE** position.
 - Momentarily press **RESET** switch to **HARDWARE** position.
- Observe following console prompt appears:
 - > > >
 - Type B/F:2.2.
 - Press <RETURN>.
- Observe boot messages appear.

DESCRIPTION

- STATE 1 - BOOT PROCEDURE (Cont.)

Entering date. Date is entered in following manner:

DD-MM-YY HH:MM

Where DD = two-digit day

MM = two-digit month

YY = two-digit year

HH = two-digit hour

MM = two-digit minute

DISPLAY

> > > B/F: 2 2
> > > (Boot messages)
> > > Enter date as DD-MM-YY HH:MM
> > > For example, the current time is xx-xx-xx xx:xx

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

PROCEDURE

- Observe following prompt appears on VDT screen:
Enter date as DD-MM-YY HH:MM
For example, the current time is xx-xx-xx xx:xx
- If current time is incorrect:
--Type DD-MM-YY HH:MM.
--Press <RETURN>.
- If current time is correct:
--Press <RETURN>.

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- STATE 1 - BOOT PROCEDURE (Cont.)

Single-user prompt. Single-user prompts^{pt's} include:

ws1 = ws1 #
ws2 = ws2 #
ndd1 = ndd1 #
ndd2 = ndd2 #
ndd3 = ndd3 #
ndd4 = ndd4 #
ndd5 = ndd5 #

DISPLAY

> > B/F: 2 2
> > (Boot messages)
> > Enter date as DD-MM-YY HH:MM
> > For example, the current time is xx-xx-xx xx:xx
ws1 #

PROCEDURE

- Observe following single-user prompt appears:
wsx # or nddx #
- System is in UNIX single-user mode.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

STATE 2 - BOOT PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

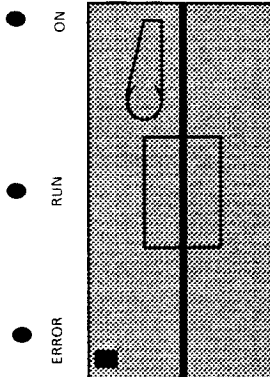
DESCRIPTION

- STATE 2 - BOOT PROCEDURE
- State 2 boot procedure brings system to operational CAS application mode.

DISPLAY

CONTROLS AND INDICATORS ON MASSCOMP
CENTRAL PROCESSING UNIT (CPU)

DISK	TERMINAL	RESET	POWER
FLOPPY	GRAPHIC 0	SOFTWARE	ON
CONSOLE	LOCAL	HARDWARE	OFF
HARD	REMOTE		



PROCEDURE

- At MASSCOMP central processing unit (CPU):
 - Place 3-position DISK switch to HARD position.
 - Momentarily press RESET switch to HARDWARE position.
- Observe boot messages appear.

DESCRIPTION

- STATE 2 - BOOT PROCEDURE

Entering date. Date is entered in following manner:

DD-MM-YY HH:MM

Where DD = two-digit day

MM = two-digit month

YY = two-digit year

HH = two-digit hour

MM = two-digit minute

DISPLAY

(Boot messages)
Enter date as DD-MM-YY HH:MM
For example, the current time is xx-xx-xx xx:xx

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

PROCEDURE

- Observe following prompt appears on VDT screen:
Enter date as DD-MM-YY HH:MM
For example, the current time is xx-xx-xx xx:xx
 - If current time is *incorrect*:
 - Type (DD-MM-YY HH:MM).
 - Press <RETURN>.
 - If current time is *correct*:
 - Press <RETURN>.

CHAPTER 8
MAINTENANCE
PROCEDURES

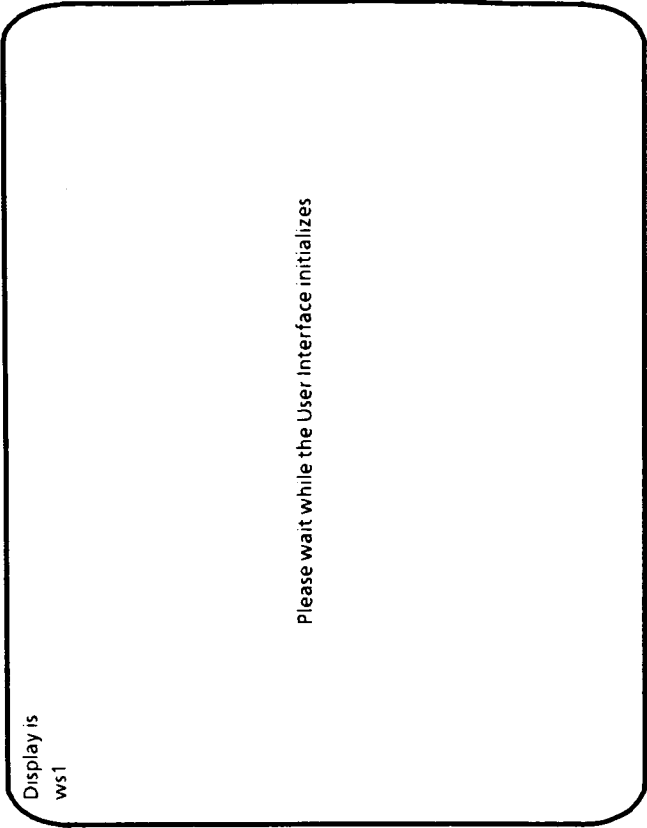
SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- STATE 2 - BOOT PROCEDURE (Cont.)

DISPLAY



PROCEDURE

- Observe CAS user interface initializing screen appears.

DESCRIPTION

- STATE 2 - BOOT PROCEDURE (Cont.)
When master menu appears, system is in operational CAS application mode.

DISPLAY

Display is Workstation Master Menu

ws1 Menu name is 'master'

GMT XXX:XX:XX

Enter the number or letter of your selection:

1 Real time support

2 Health and status

3 Logging function

4 Delogging function

5 Mission planning

6 Checkout Software

7 Utilities

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

PROCEDURE

- Observe master menu appears:
 - If on CAS workstation, observe workstation master menu appears.
 - If on NDD workstation, observe NDD master menu appears.
- System is in state 2 - operational CAS application mode.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1 BOOT PROCEDURES
SECTION 2 FILE MAINTENANCE PROCEDURES

STATE 3 - BOOT PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

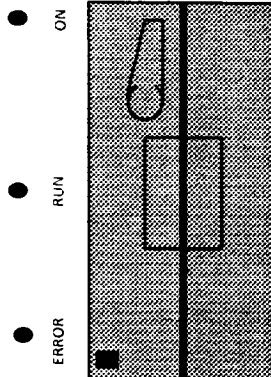
DESCRIPTION

- STATE 3 - BOOT PROCEDURE
State 3 boot procedure brings system to UNIX multi-user mode.

DISPLAY

CONTROLS AND INDICATORS ON MASSCOMP
CENTRAL PROCESSING UNIT (CPU)

DISK	TERMINAL	RESET	POWER
FLOPPY CONSOLE HARD	GRAPHIC 0 LOCAL REMOTE	SOFTWARE HARDWARE	ON OFF



PROCEDURE

- At MASSCOMP central processing unit (CPU):
 - Place 3-position DISK switch to **CONSOLE** position.
 - Momentarily press **RESET** switch to **HARDWARE** position.
- Observe following console prompt appears on VDT screen:
 - > > >

DESCRIPTION

- STATE 3- BOOT PROCEDURE (Cont.)

Entering date. Date is entered in following manner:

DD-MM-YY HH:MM

Where DD = two-digit day

MM = two-digit month

YY = two-digit year

HH = two-digit hour

MM = two-digit minute

DISPLAY

```
> > > B/F:2 2
> > > (Boot messages)
> > > Enter date as DD-MM-YY HH:MM
> > > For example, the current time is xx-xx-xx xx:xx
```

**CHAPTER 8
MAINTENANCE
PROCEDURES**
**SECTION 1
BOOT
PROCEDURES**
**SECTION 2
FILE MAINTENANCE
PROCEDURES**
PROCEDURE

- On VDT keyboard:
 - Type B/F:2 2.
 - Press <RETURN>.
- Observe boot messages appear.
 - Observe following prompt appears on screen:
 - Enter date as DD-MM-YY HH:MM
 - For example, the current time is xx-xx-xx xx:xx
 - If current time is *incorrect*:
 - Type (DD-MM-YY HH:MM).
 - Press <RETURN>.
 - If current time is *correct*:
 - Press <RETURN>.

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- STATE 3 - BOOT PROCEDURE (Cont.)

Single-user prompt. Single-user prompts include:

```
ws1  = ws1 #
ws2  = ws2 #
ndd1 = ndd1 #
ndd2 = ndd2 #
ndd3 = ndd3 #
ndd4 = ndd4 #
ndd9 = ndd9 #
```

DISPLAY

```
> > B/F:2 2
> > (Boot messages)
> > Enter date as DD-MM-YY HH:MM
> > For example, the current time is xx-xx-xx xx:xx
ws1 # init 3
running system init 3 commands
```

PROCEDURE

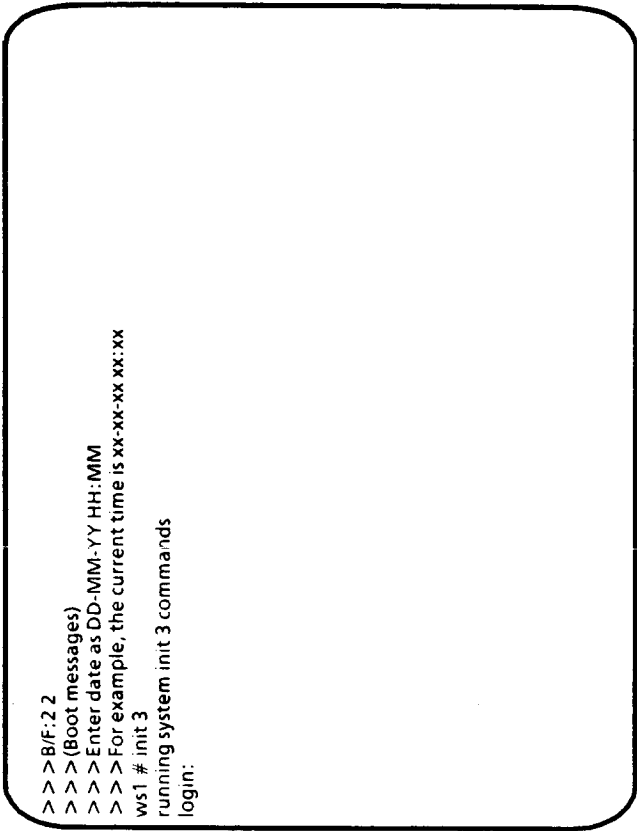
- Observe following single-user prompt appears:
wsx # or nddx #
--Type init 3.
--Press <RETURN>.
- Observe following prompt appears:
running system init 3 commands

DESCRIPTION

- STATE 3 - BOOT PROCEDURE (Cont.)

Login. When login appears, system is in UNIX multi-user mode.

DISPLAY



CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

PROCEDURE

- Observe multi-user prompt appears:
login:
- System is in UNIX state 3.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

**SECTION 2
FILE MAINTENANCE PROCEDURES**

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

**SECTION 2
FILE MAINTENANCE PROCEDURES**

Table of Contents

<u>Procedure</u>		<u>Page</u>
1	File Commands Procedures	8-25
2	UNIX Utility Commands Procedures	8-27
3	Copy a File to Another Location Procedure	8-31
4	Delete a File From the Disk Procedure	8-33
5	List the Names of Files in a Directory Procedure	8-37
6	Move a File to Another Location Procedure	8-39
7	Print an Entire File on the Local Printer Procedure	8-41
8	Rename a File on the Disk Procedure	8-43
9	Selectively Print Part of a File on the Local Printer Procedure	8-45
	View a File on the Terminal Procedure	8-49
	General Description of User Files	8-51
	Log Files Description	8-53
	Delog Files Description	8-55
	Batch Files Description	8-57
	Checkout Files Description	8-59
	Mission Planning Files Description	8-61

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

FILE COMMANDS PROCEDURES

**CHAPTER 8
MAINTENANCE
PROCEDURES****SECTION 1
BOOT
PROCEDURES****SECTION 2
FILE MAINTENANCE
PROCEDURES****FILE COMMANDS PROCEDURES**

The following pages list some of the commands used to manipulate files in CAS. These commands are found on the UNIX utility menu.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

UNIX UTILITY COMMANDS PROCEDURES

CHAPTER 9
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- UNIX UTILITY COMMANDS PROCEDURE

To reach the utility menu from the master menu perform the following procedures.

DISPLAY

Display is Workstation Master Menu ws1	Menu name is 'master'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:		
<ul style="list-style-type: none"> 1 Real-time support 2 Health and status 3 Logging function 4 Delogging function 5 Mission planning 6 Checkout Software 7 Utilities 		
<div> <div>ADVS:</div> <div>CNTL:</div> </div>		
		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To call utility menu from workstation menu:
 - Type 7.
 - Observe utility menu appears.

DESCRIPTION

- UNIX UTILITY COMMANDS PROCEDURE (Cont.)

To reach the UNIX utility menu from the Utility menu perform the following procedures.

DISPLAY

Display is Utilities Menu		GMT XXX:XX:XX:XX
ws1	Menu name is 'util'	

Enter the number or letter of your selection:		
1 Floppy disk utilities		
2 Misc. User Interface utilities		
3 Network utilities		
4 UNIX utilities		
0 BACK to previous menu		

ADVS:		
CNTL:		
		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To call UNIX utility menu from workstation menu:
 - Type 4.
 - Observe UNIX utility menu appears.

**CHAPTER 9
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

CHAPTER 9
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- UNIX UTILITY COMMANDS PROCEDURE (Cont.)

DISPLAY

Display is UNIX Utilities Menu ws1	Menu name is 'unix'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:		
<ul style="list-style-type: none"> 1 Copy a file to another location 2 Delete a file from the disk 3 List the names of files in a directory 4 Move a file to another location 5 Print an entire file on the local printer 6 Rename a file on the disk 7 Selectively print part of a file on the local printer 8 View a file on the terminal 0 BACK to previous menu 		
ADVS:		F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST
CNTL:		

PROCEDURE

- To select a UNIX command:
 - Type (menu item number).
 - Observe command prompts appear (if applicable).

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

COPY A FILE TO ANOTHER LOCATION PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

- **COPY A FILE TO ANOTHER LOCATION PROCEDURE**

Copies files from one directory/file name to another.

Each file name must be a full pathname.

DISPLAY

Display is UNIX Utilities Menu ws1 Menu name is 'unix'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:	
1 Copy a file to another location 2 Delete a file from the disk 3 List the names of files in a directory 4 Move a file to another location 5 Print an entire file on the local printer 6 Rename a file on the disk 7 Selectively print part of a file on the local printer 8 View a file on the terminal 0 BACK to previous menu	
ADVS: Enter current file name (1~72 chars =): CNTL: copy	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To copy file:
 - Type 1.
 - Observe following prompt appears:
 - Enter current file name (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.
- Time saver:
 - Type copy_(current file name)_(new file name).
 - Press <RETURN>.

--Observe following prompt appears:

Enter new file name (1~72 chars = .):

- Type (file name).
- Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

DELETE A FILE FROM THE DISK PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

- **DELETE A FILE FROM THE DISK PROCEDURE**

The delete a file procedure, deletes a file from the hard disk.

Name of file must be a full pathname.

DISPLAY

Display is UNIX Utilities Menu ws1 Menu name is 'unix'	GMT XXX:XX:XX:XX

Enter the number or letter of your selection:	
1 Copy a file to another location 2 Delete a file from the disk 3 List the names of files in a directory 4 Move a file to another location 5 Print an entire file on the local printer 6 Rename a file on the disk 7 Selectively print part of a file on the local printer 8 View a file on the terminal 0 BACK to previous menu	

ADVS: Enter name of file to delete (1~72 chars = .): CNTL: delete	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To delete a file:
 - Type 2.
 - Observe following prompt appears:
Enter name of file to delete (1~72 chars = .):
--Type (file name).
--Press <RETURN>.
- To ignore delete command:
 - Press <ESC>.
- Observe following prompt appears:
Press <RETURN> to delete, <ESC> to ignore (0~1 chars =):
 - Press <RETURN>.
- To ignore delete command:
 - Press <ESC>.

PROCEDURE (Cont.)

- Time saver:
 - Type delete (file name).
 - Observe following prompt appears:
Press <RETURN> to delete, <ESC> to ignore (0~1 chars =):
--Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES****SECTION 1
BOOT
PROCEDURES****SECTION 2
FILE MAINTENANCE
PROCEDURES**

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

LIST THE NAMES OF FILES IN A DIRECTORY PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

- LIST THE NAMES OF FILES IN A DIRECTORY PROCEDURE

Displays names of all files under a specified directory.

Defaults to current working directory.

When typing directory command, directory can be abbreviated as 'dir'.

DISPLAY

Display is UNIX Utilities Menu ws1 Menu name is 'unix'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:	
1 Copy a file to another location 2 Delete a file from the disk 3 List the names of files in a directory 4 Move a file to another location 5 Print an entire file on the local printer 6 Rename a file on the disk 7 Selectively print part of a file on the local printer 8 View a file on the terminal 0 BACK to previous menu	
ADVS: Enter name of directory to list (1~72 chars =): CNTL: directory F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To list files in a directory:
 - Type 3.
 - Observe following prompt appears:
Enter name of directory to list (1~72 chars =):
--Type (directory name).
--Press <RETURN>.
 - Observe directory listing appears.
- Time saver:
 - Type directory (directory name).
 - Press <RETURN>.
 - Observe directory listing appears.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

MOVE A FILE TO ANOTHER LOCATION PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

- **MOVE A FILE TO ANOTHER LOCATION PROCEDURE**

Moves a specified file to another directory.

Default destination directory is current working directory.

DISPLAY

Display is UNIX Utilities Menu	GMT XXX-XX-XX:XX
ws1	
Menu name is 'unix'	

Enter the number or letter of your selection:	
1	Copy a file to another location
2	Delete a file from the disk
3	List the names of files in a directory
4	Move a file to another location
5	Print an entire file on the local printer
6	Rename a file on the disk
7	Selectively print part of a file on the local printer
8	View a file on the terminal
0	BACK to previous menu

ADVS:	
Enter current file name (1~72 chars =):	
CNTL: move	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To move file to another location:
 - Type 4.
 - Observe following prompt appears:
 - Enter current file name (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.
- Time saver:
 - Type move (current file name) (destination file name).
 - Press <RETURN>.

--Observe following prompt appears:

Enter destination file name (1~72 chars =):

- Type (file name).
- Press <RETURN>.

Time saver:

- Type move (current file name) (destination file name).
- Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

PRINT AN ENTIRE FILE ON THE LOCAL PRINTER PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- PRINT AN ENTIRE FILE ON THE LOCAL PRINTER PROCEDURE

Sends an entire file to local printer for printing.

DISPLAY

Display is UNIX Utilities Menu
ws1

Menu name is 'unix'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Copy a file to another location
2 Delete a file from the disk
3 List the names of files in a directory
4 Move a file to another location
5 Print an entire file on the local printer
6 Rename a file on the disk
7 Selectively print part of a file on the local printer
8 View a file on the terminal
0 BACK to previous menu

ADV\$:

Enter name of file to print (1~72 chars =):

CNTL: print

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To print entire file:
 - Type 5.
 - Observe following prompt appears:
Enter name of file to print (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.

- Time saver:
 - Type print (file name).
 - Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

RENAME A FILE ON THE DISK PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

- **RENAME A FILE ON THE DISK
PROCEDURE**

Changes name of a specified file on hard disk.

File names must be a full pathname.

When typing rename command, rename can be abbreviated as 'ren'.

DISPLAY

Display is UNIX Utilities Menu	GMT XXX:XX:XX:XX
ws1	
Menu name is 'unix'	

Enter the number or letter of your selection:	
1	Copy a file to another location
2	Delete a file from the disk
3	List the names of files in a directory
4	Move a file to another location
5	Print an entire file on the local printer
6	Rename a file on the disk
7	Selectively print part of a file on the local printer
8	View a file on the terminal
0	BACK to previous menu

ADVS:	
Enter current file name (1~72 chars =):	
CNTL: rename	
F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST	

PROCEDURE

- To rename file:
 - Type 6.
 - Observe following prompt appears:
 - Enter current file name (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.
 - Time saver:
 - Type rename (current file name) (new file name).
 - Press <RETURN>.
- Observe following prompt appears:
 - Enter new file name (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

SELECTIVELY PRINT PART OF A FILE ON THE LOCAL PRINTER PROCEDURE

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DESCRIPTION

- SELECTIVELY PRINT PART OF A FILE ON THE LOCAL PRINTER PROCEDURE

Prints selected portion of file.

COMMENT:

File name of file to print must contain path name.

DISPLAY

Display is UNIX Utilities Menu
ws1
Menu name is 'unix'

GMT XXX.XX:XX:XX

Enter the number or letter of your selection:

1 Copy a file to another location
2 Delete a file from the disk
3 List the names of files in a directory
4 Move a file to another location
5 Print an entire file on the local printer
6 Rename a file on the disk
7 Selectively print part of a file on the local printer
8 View a file on the terminal
0 BACK to previous menu

ADVS:
Enter name of file to print (1~72 chars =):

CNTL: sprint

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To print part of a file:
 - Type Z.
 - Observe following prompt appears:
Enter name of file to print (1~72 chars =):
 - Type (file name).
 - Press <RETURN>.

- Observe following prompt appears:
Enter starting line number (1~5 chars =):
 - Type (starting line number).
 - Press <RETURN>.
- Observe following prompt appears:
Enter ending line number (1~5 chars =):
 - Type (ending line number).
 - Press <RETURN>.

PROCEDURE (Cont.)

- Time saver:
 - Type sprint (file name) (starting line number) (ending line number).
 - Press <RETURN>.

**CHAPTER 8
MAINTENANCE
PROCEDURES****SECTION 1
BOOT
PROCEDURES****SECTION 2
FILE MAINTENANCE
PROCEDURES**

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

VIEW A FILE ON THE TERMINAL PROCEDURE

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

DESCRIPTION

● VIEW A FILE ON THE TERMINAL PROCEDURE

View a file procedure, brings a selected file to screen.

COMMENT:

File name of file to view must contain pathname.

When typing view command, view can be abbreviated as "v".

DISPLAY

Display is UNIX Utilities Menu ws1 Menu name is 'unix'	GMT XXX:XX:XX:XX

Enter the number or letter of your selection:	
1 Copy a file to another location	
2 Delete a file from the disk	
3 List the names of files in a directory	
4 Move a file to another location	
5 Print an entire file on the local printer	
6 Rename a file on the disk	
7 Selectively print part of a file on the local printer	
8 View a file on the terminal	
0 BACK to previous menu	

ADV5: Enter name of file to view (0~72 chars =):	
CNTL: view	F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- To view a file:
 - Type g.
 - Observe following prompt appears:
Enter name of file to view (0~72 chars =):
 - Type (file name).
 - Press <RETURN>.
 - Observe selected file appears on screen.
- Time saver:
 - Type view (file name).
 - Press <RETURN>.
 - Observe selected file appears on screen.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

GENERAL DESCRIPTION OF USER FILES

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

GENERAL DESCRIPTION OF USER FILES

User files consist of:

- | | |
|-------------|------------------------|
| Log Files | Checkout Files |
| Delog Files | Mission Planning Files |
| Batch Files | |

As user files begin to accumulate, the maintenance user may need to delete or save user files to another hard disk to relieve space and confusion. The /space directory (on second hard disk) is available for temporary storage of user files.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

**SECTION 1
BOOT
PROCEDURES**

**SECTION 2
FILE MAINTENANCE
PROCEDURES**

LOG FILES DESCRIPTION

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

LOG FILES DESCRIPTION

The log files consist of two types of files:

Active Log Files

Log Files

Normally, active log files are moved automatically from the /log/active__files directory to the /log/log__files directory when an application has been halted or if the user switched log files. If an application abnormally terminates and has been logging data, the log file remains in the /log/active__files directory.

When housecleaning, check both directories. The /log/active__files directory should only contain HS__MSG, USER__if, and CSAC__MSG files.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DELOG FILES DESCRIPTION

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

DELOG FILES DESCRIPTION

Delog files are produced by the delogger from log files in the /log/log__files directory. The delog files are stored in the /log/delog__files directory as they are produced. Delog files are five to seven times larger than log files and therefore must be deleted or saved to /space directory often.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

BATCH FILES DESCRIPTION

**CHAPTER 8
MAINTENANCE
PROCEDURES****SECTION 1
BOOT
PROCEDURES****SECTION 2
FILE MAINTENANCE
PROCEDURES****BATCH FILES DESCRIPTION**

Batch files contain commands and the command parameters. Using batch files, the user can execute a command or a series of commands without entering parameter values.

The batch files are generated under UNIX and placed in the /cas/batch__files directory.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

CHECKOUT FILES DESCRIPTION

CHAPTER 8
MAINTENANCE
PROCEDURES

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

CHECKOUT FILES DESCRIPTION

There are three types of checkout files:

Script Files	Log Files	Score Files
--------------	-----------	-------------

Script files are produced by the interactive scriptor. The script files are stored in the /cas/application/checkout/script_files directory. These files are use to generate or score data.

Log files are used as input to the scoring process. These log files are moved from the /log/log_files directory to the /cas/application/checkout/log_files directory prior to scoring.

Score files are the output of the scoring process and are located in the /cas/application/checkout/score_files directory.

**CHAPTER 8
MAINTENANCE
PROCEDURES**

SECTION 1
BOOT
PROCEDURES

SECTION 2
FILE MAINTENANCE
PROCEDURES

MISSION PLANNING FILES DESCRIPTION

CHAPTER 8 MAINTENANCE PROCEDURES

SECTION 1 BOOT PROCEDURES

SECTION 2 FILE MAINTENANCE PROCEDURES

MISSION PLANNING FILES DESCRIPTION

Mission planning files are divided into two types of files:

MSID Selection Files Support Files

The MSID selection files are located in the /cas/application/mission planning/PlanningDir directory. These files are used to produce a selection data base from the SDT/TDT flight specific data base. Removal of these files may be accomplished by menu choice during a mission planning session.

There are two types of support files. The NDD support files are produced either as a result of the SDT/TDT data base or a rebuild process for those files. These files are located in the directory /cas/application/mission__plan/MxDFFAxx.dd (FF = flight number, A = revision). These files are then copied to the /cas/support__files directory for use by the NDD application.

The remaining support files are used by the ancillary process. These files are produced after the selection data base is built. The ancillary support files are located in the /cas/application/mission__plan/MxDFFAxx.dd directory. The ancillary support files are also copied to /cas/support directory.

Removing the NDD support files or ancillary support files within the mission planning directory structure is accomplished via the utilities procedures during a mission planning session.

**CHAPTER 9
SYSTEM MANAGER PROCEDURES**

CHAPTER 1 OVERVIEW
CHAPTER 2 USERS
CHAPTER 3 INTRO TO OPERATION
CHAPTER 4 GENERAL PROCEDURES
CHAPTER 5 DFE PROCEDURES
CHAPTER 6 MISSION PLANNER PROCEDURES
CHAPTER 7 CHECKOUT PROCEDURES
CHAPTER 8 MAINTENANCE PROCEDURES
CHAPTER 9 SYSTEM MANAGER PROCEDURES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

CHAPTER 9
SYSTEM MANAGER PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

Table of Contents

<u>Section</u>		<u>Page</u>
1	General Description of CAS Files	9-3
2	Reinstallation of CAS Software Baseline Procedures	9-11
3	General Description of Operational Directories	9-55

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

**SECTION 1
GENERAL DESCRIPTION OF CAS FILES**

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

SECTION 1
GENERAL DESCRIPTION OF CAS FILES

Table of Contents

<u>Procedure</u>		<u>Page</u>
1	General Description of Parameter Files	9-5
2	General Description of Personality Files	9-7

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

GENERAL DESCRIPTION OF PARAMETER FILES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

GENERAL DESCRIPTION OF CAS PARAMETER FILES

The CAS system manager maintains the CAS parameter files. The parameter files each contain a master file and a configuration file. Further, each NDD workstation and CAS workstation has a master file and a configuration file. These files are used to reconfigure the UNIX OS for running CAS application.

Examples of CAS-specific parameter files are:

/etc/master	/usr/uts/NDD4
/usr/hosts/MAKEHOSTS	/usr/uts/NDD9
/usr/uts/NDD1	/usr/uts/WS1
/usr/uts/NDD2	/usr/uts/WS2
/usr/uts/NDD3	

Note:

These parameter files are kept on the CAS support workstations, not the CAS operational workstations.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

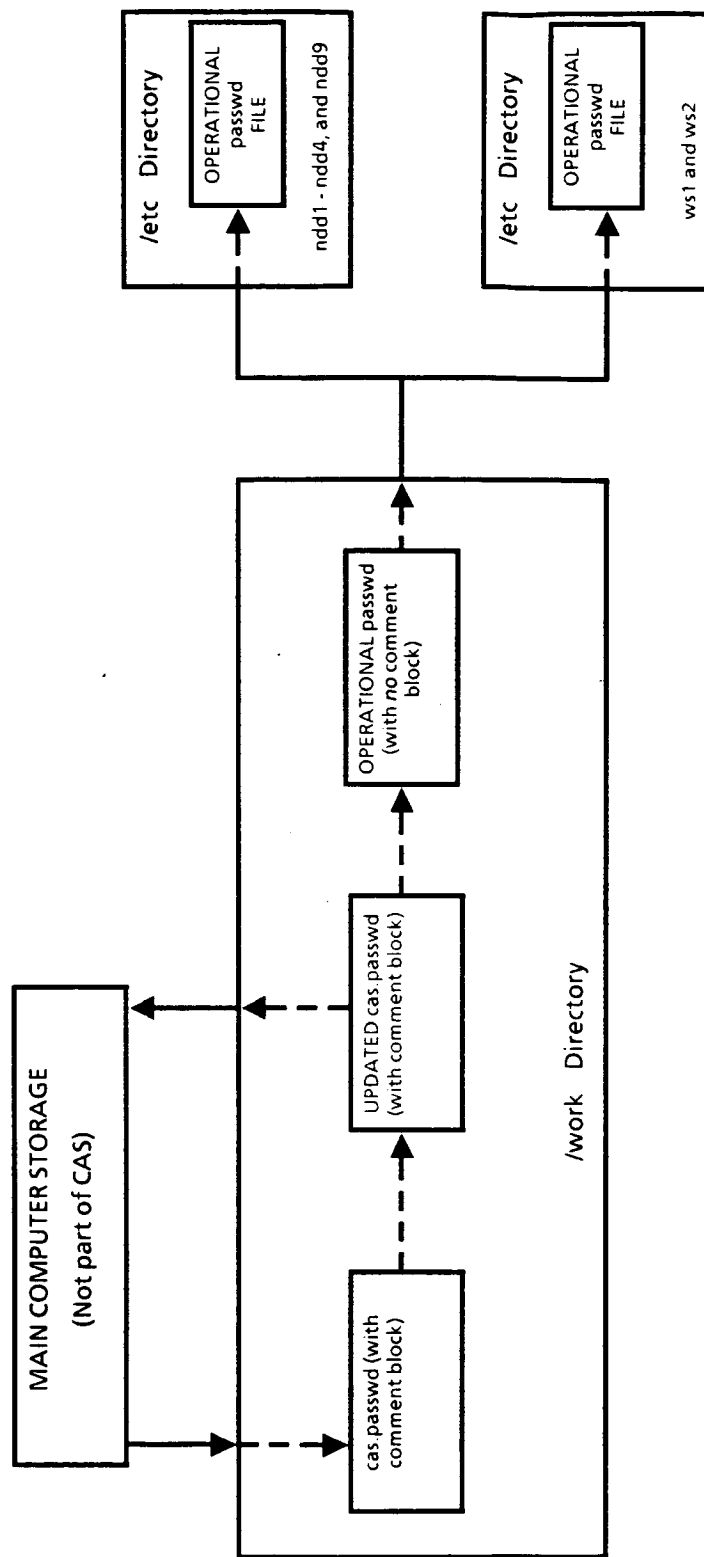
SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

GENERAL DESCRIPTION OF PERSONALITY FILES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION



GENERAL DESCRIPTION OF PERSONALITY FILES PROCEDURES

CAS personality files are UNIX files customized for running the CAS. When the personality files are installed, MASSCOMP computers are changed from a general-purpose configuration into the CAS operational configuration. The CAS system manager maintains the personality files.

Personality files include:

cas.ttytype	cas.passwd	cas.group	cas.cshrc
cas.inittab	cas.login	cas.rc	cas.rc.local

Each file contains a comment block listing the steps required to convert that file to an operational file. Take note that some files require the comment block be removed before being used as an operational file.

Figure 9-1 depicts the generation of an operational file using the cas.passwd personality file as an example.

The cas.passwd personality file, is pulled from main computer storage (not part of the CAS) and loaded into the /work directory. The cas.passwd file is updated and a copy placed back in the main computer storage. Another copy of cas.passwd is configured as an operational file, which includes deleting the comment block. The operational file, passwd, is loaded into each NDD workstation and CAS workstation in the /etc directory.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

**SECTION 2
REINSTALLATION OF CAS SOFTWARE BASELINE PROCEDURES**

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 2
REINSTALLATION OF CAS SOFTWARE BASELINE PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

Table of Contents

<u>Procedure</u>		<u>Page</u>
1	General Description of CAS Software Baseline	9-13
2	Bringing Down CAS Procedure	9-15
3	State 3 - Boot Procedures	9-17
4	Loading Software Procedures	9-23
5	Loading Mission Planning Procedures (Workstations Only)	9-31
6	Workstation Build and Reboot Procedures	9-37
7	NDD Build and Reboot Procedures	9-43
8	State 2 - Boot Procedures	9-49

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

GENERAL DESCRIPTION OF CAS SOFTWARE BASELINE

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES****SECTION 1
CAS FILES
DESCRIPTION****SECTION 2
REINSTALL BASELINE
PROCEDURES****SECTION 3
DIRECTORIES
DESCRIPTION****GENERAL DESCRIPTION OF CAS SOFTWARE BASELINE**

The CAS system manager is responsible for loading the CAS software baseline. The CAS software baseline is the latest version of the complete, tested, CAS application software.

The software is contained on 12 floppy disks. Four of these floppy disks contain the CAS mission planning software. The mission planning floppy disks are labeled with MISSION PLANNING, revision number, revision date, and floppy disk number. The remaining floppy disks are labeled with CAS BASELINE, revision number, revision date, and floppy disk number.

The software on the CAS baseline floppy disks are loaded onto the hard disks of each NDD workstation and CAS workstation. The mission planning software is loaded onto the CAS workstations only.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

BRINGING DOWN CAS PROCEDURE

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

● BRINGING DOWN CAS PROCEDURE

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

If CAS is still operational, then CAS must be brought down before reinstalling CAS software baseline.

NOTE

Only users logged on to CAS as a CAS *superuser* can bring system down.

DISPLAY

Display is Workstation Master Menu
ws1

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Real time support
2 Health and status
3 Logging function
4 Delogging function
5 Mission planning
6 Checkout Software
7 Utilities

ADV5:

CNTL:

F1 = REFR

F2 = TOP

F3 = RPRT

F4 = ADVS

F5 = HIST

PROCEDURE

- To bring CAS down:
--Type exit.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

STATE 3 - BOOT PROCEDURES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

● STATE 3 - BOOT PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

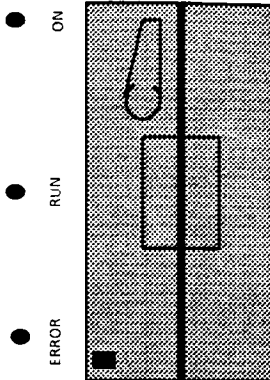
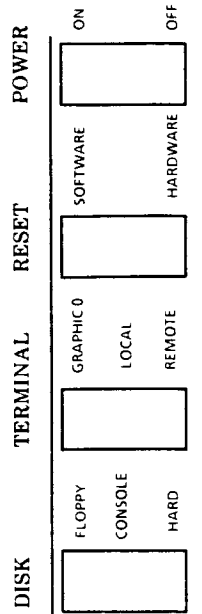
SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

State 3 boot procedures brings system to UNIX multi-user mode. CAS software baseline is loaded in multi-user mode.

DISPLAY

CONTROLS AND INDICATORS ON MASSCOMP
CENTRAL PROCESSING UNIT (CPU)



PROCEDURE

- At MASSCOMP central processing unit (CPU):
 - Place 3-position DISK switch to CONSOLE position.
 - Momentarily press RESET switch to HARDWARE position.
- Observe following prompt appears on VDT screen:
 - > > >

DESCRIPTION

- STATE 3 - BOOT PROCEDURES (Cont.)

Entering date. Date is entered in following manner:

DD-MM-YY HH:MM

Where DD = two-digit day

MM = two-digit month

YY = two-digit year

HH = two-digit hour

MM = two-digit minute

DISPLAY

```
> > > B/F: 2 2
> > > (Boot messages)
> > > Enter date as DD-MM-YY HH:MM
> > > For example, the current time is xx-xx-xx xx:xx
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- On VDT keyboard:
--Type B/F:2.2.
--Press <RETURN>.
- Observe boot messages appear.
- Observe following prompt appears on screen:
Enter date as DD-MM-YY HH:MM
For example, the current time is xx-xx-xx xx:xx
- If current time is *incorrect*:
--Type (DD-MM-YY HH:MM).
--Press <RETURN>.
- If current time is *correct*:
--Press <RETURN>.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- STATE 3 - BOOT PROCEDURES (Cont.)

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

Single-user prompt. Single-user prompts include:

ws1 = ws1 #
ws2 = ws2 #
nnd1 = nnd1 #
nnd2 = nnd2 #
nnd3 = nnd3 #
nnd4 = nnd4 #
nnd9 = nnd9 #

DISPLAY

```
> > B/F: 2 2
> > (Boot messages)
> > Enter date as DD-MM-YY HH:MM
> > For example, the current time is xx-xx-xx xx:xx
<ws1:ivt> init 3
running system init 3 commands
```

PROCEDURE

- If on workstation one, observe following single-user prompt appears:
 - Observe following prompt appears:
 - running system init 3 commands

wsx # or nndx #

--Type init 3.
--Press <RETURN>.

DESCRIPTION

- STATE 3 - BOOT PROCEDURES (Cont.)
Login. When login appears, system is in UNIX state - 3 multi-user mode.

DISPLAY

```
> > > B/F: 2 2
> > > (Boot messages)
> > > Enter date as DD-MM-YY HH:MM
> > > For example, the current time is xx-xx-xx xx:xx
<ws1:lv> init 3
running system init 3 commands
login:
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- Observe multi-user prompt appears:
login:
- System is in UNIX state - 3.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

LOADING SOFTWARE PROCEDURES

CHAPTER 9 SYSTEM MANAGER PROCEDURES

DESCRIPTION

● LOADING SOFTWARE PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

Loads software from baseline floppy disks into system.

SECTION 2
REINSTALL BASELINE
PROCEDURES

State 3 - boot procedures must be performed prior to loading software.

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1:ivt>:
```

PROCEDURE

- To logon:
 - Type ivt.
 - Press <RETURN>.
 - Type (password).
 - Press <RETURN>.
- Observe message of the day appears indicating CAS baseline revision that currently resides on workstation.
- Observe following prompt appears:
 - <wsx:ivt>:

DESCRIPTION

- **LOADING SOFTWARE PROCEDURES**
(Cont.)

Loading floppy disk #1.

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1:ivt>:loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- To begin loading software:
 - Type loadws.
 - Press <RETURN>.
 - Observe following prompt appears:
CAS Software Load from Floppy
Enter Operator Initials (3):
- Type (operator initials).
- Press <RETURN>.
- Observe following prompt appears:
Enter floppy 1 into floppy drive
- Insert floppy disk #1 into floppy drive.
- Press <RETURN>.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- LOADING SOFTWARE PROCEDURES (Cont.)

A listing of files and information about file size (in bytes) and number of tape blocks is provided with box containing software baseline floppy disks.

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1: ivt>: loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
(file names) (file size) (number of tape blocks)
```

PROCEDURE

- Observe following information for floppy disk #1 appears:
 - file names
 - file size (in bytes)
 - number of tape blocks
- Observe information on screen corresponds with hardcopy listing provided with software.

DESCRIPTION

- **LOADING SOFTWARE PROCEDURES**
(Cont.)

Certain messages that appear during a software load may look like errors, but are not. One such message is:

CANNOT MAKE DIRECTORY

System attempted to create a directory where one already exists.

Messages that may occur that indicate errors are:

CANNOT CREATE xxxxxxxxxxxx

When system cannot create, then user must resolve problem using UNIX OS.

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1:ivt>:loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
CANNOT MAKE DIRECTORY
(file names) (file size) (number of tape blocks)
```

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- If errors occur:
 - Press <CTRL>+<C>.
 - Correct problem.
- Restart software load:
 - Type loadws.
 - Press <RETURN>.
- If no errors occur:
 - Continue to loading floppy disk 2 procedure.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- **LOADING SOFTWARE PROCEDURES**
(Cont.)

Loading floppy disk #2.

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1:ivt> :loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
CANNOT MAKE DIRECTORY
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
```

PROCEDURE

- Observe following prompt appears:
Enter floppy 2 into floppy drive
--Insert floppy disk #2 into floppy drive.
--Press <RETURN>.

DESCRIPTION

- **LOADING SOFTWARE PROCEDURES**
(Cont.)

A listing of files and information about file size (in bytes) and number of tape blocks is provided with box containing software baseline floppy disks.

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1: ivt >: loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
CANNOT MAKE DIRECTORY
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
(file names) (file size) (number of tape blocks)
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- Observe following information for floppy disk 2 appears:
 - file names.
 - file size (in bytes).
 - number of tape blocks.
- Observe information on screen corresponds with hardcopy listing provided with software.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- LOADING SOFTWARE PROCEDURES (Cont.)

Loading floppy disks 3 through 8.

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION

DISPLAY

```
login: ivt
xxxx
(message of the day)
<ws1:ivt>:loadws
CAS Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
CANNOT MAKE DIRECTORY
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 3 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 4 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 5 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 6 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 7 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 8 into floppy drive
(file names) (file size) (number of tape blocks)
```

PROCEDURE

- Repeat loading floppy disk procedures until all disks (1 through 8) are loaded.
- If loading software on CAS workstation, proceed to loading mission planning software procedures.
- If loading software on NDD workstation, proceed to build NDD procedure.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

LOADING MISSION PLANNING SOFTWARE PROCEDURES
(Applicable to CAS workstations only.)

CHAPTER 9 SYSTEM MANAGER PROCEDURES

DESCRIPTION

- **LOADING MISSION PLANNING SOFTWARE PROCEDURES**

Load mission planning software. (Applicable to CAS workstations only.)

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

loadmp
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive

PROCEDURE

- To load mission planning software:
 - Type loadmp.
 - Press <RETURN>.
 - Observe following prompt appears:
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3):
- Type (operator initials).
- Press <RETURN>.
- Observe following prompt appears:
Enter floppy 1 into floppy drive
- Insert floppy disk #1 into floppy drive.
- Press <RETURN>.

DESCRIPTION

- **LOADING MISSION PLANNING SOFTWARE PROCEDURES (Cont.)**

A listing of files and information about file size (in bytes) and number of tape blocks is provided with box containing mission planning software floppy disks.

DISPLAY

```
loadmp
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
(file names) (file size) (number of tape blocks)
```

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

**SECTION 1
CAS FILES
DESCRIPTION**

**SECTION 2
REINSTALL BASELINE
PROCEDURES**

**SECTION 3
DIRECTORIES
DESCRIPTION**

PROCEDURE

- Observe following information for floppy disk #1 appears:
 - file names
 - file size (in bytes)
 - number of tape blocks
- Observe information on screen corresponds with hardcopy listing provided with software.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION

DESCRIPTION

- LOADING MISSION PLANNING SOFTWARE PROCEDURES (Cont.)

Loading floppy disk #2.

DISPLAY

```
loadmp
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
```

PROCEDURE

- Observe following prompt appears:
Enter floppy 2 into floppy drive
--Insert floppy disk #2 into floppy drive.
--Press <RETURN>.

DESCRIPTION

- **LOADING MISSION PLANNING SOFTWARE PROCEDURES (Cont.)**

A listing of files and information about file size (in bytes) and number of tape blocks is provided with box containing mission planning software floppy disks.

DISPLAY

```
loadmp
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
(file names) (file size) (number of tape blocks)
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- Observe following information for floppy disk #2 appears:
 - file names
 - file size (in bytes)
 - number of tape blocks
- Observe information on screen corresponds with hardcopy listing provided with software.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION

DESCRIPTION

- LOADING MISSION PLANNING SOFTWARE PROCEDURES (Cont.)

Loading floppy disks #3 and #4.

DISPLAY

loadmp
Mission Planning Software Load from Floppy Disk
Enter Operator Initials (3): xxx
Enter floppy 1 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 2 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 3 into floppy drive
(file names) (file size) (number of tape blocks)
Enter floppy 4 into floppy drive
(file names) (file size) (number of tape blocks)

PROCEDURE

- Repeat loading floppy disk procedures until all disks (1 through 4) are loaded.
- Proceed to build workstation procedure.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

WORKSTATION BUILD AND REBOOT PROCEDURES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- WORKSTATION BUILD AND REBOOT PROCEDURES

Build workstation.

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

<wst:ivt>:Buildws

PROCEDURE

- To begin workstation software build:
 - Observe multi-user prompt is displayed.
 - Type Buildws.
 - Press <RETURN>.

C-3

DESCRIPTION

- WORKSTATION BUILD AND REBOOT PROCEDURES (Cont.)

Logon to root.

DISPLAY

```
<ws1:ivt> buildws
su
1# vi /etc/motd
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- To logon to root:
 - Type su.
 - Press <RETURN>.
 - Observe root prompt appears (number varies with workstation):
- Call up editor:
 - Type vi/etc/motd.
 - Press <RETURN>.
 - Observe Welcome To CAS screen appears.

1#

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

● WORKSTATION BUILD AND REBOOT
PROCEDURES (Cont.)

Welcome screen is a message board that displays software actions performed on workstation.

Every time software is reloaded, software is upgraded, or other pertinent actions are performed, an entry to welcome screen should be made.

Similar entries should be made to log mounted on the side of workstation cabinet.

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION

DISPLAY

WELCOME TO CAS		
DATE	PERSON RESPONSIBLE	ACTION PERFORMED
03/13/86	J. Y. Doe	Installed software baseline Ver x.x
03/13/86	J. Y. Doe	Installed mission planning software Ver x.x

PROCEDURE

- On welcome screen:
 - Enter date.
 - Enter person's name responsible for installation.
 - Enter action performed.
 - Delete obsolete messages.
- When finished, exit editor.

DESCRIPTION

- WORKSTATION BUILD AND REBOOT PROCEDURES (Cont.)

Reboot.

DISPLAY

1 #reboot -a
\$\$

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- To reboot:
 - Type reboot -a.
 - Press <RETURN>.
 - Observe following prompt appears (may take several seconds):

\$\$

- Proceed to State 2 - Boot Procedures.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION

NDD BUILD AND REBOOT PROCEDURES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

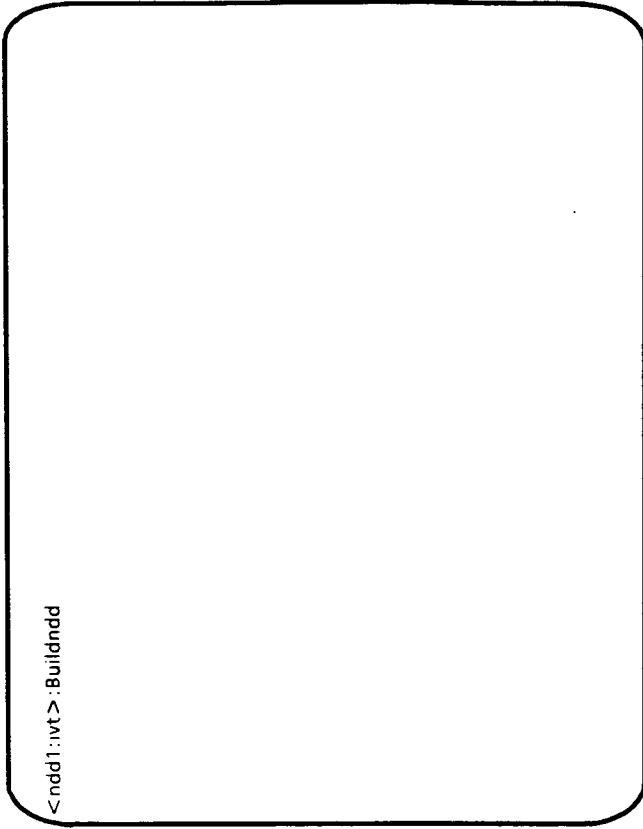
- NDD BUILD AND REBOOT PROCEDURES
Build NDD.

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY



PROCEDURE

- To begin NDD workstation software build:
 - Observe multi-user prompt is displayed.
 - Type Buildnodd.
 - Press <RETURN>.

DESCRIPTION

- NDD BUILD AND REBOOT PROCEDURES (Cont.)

Logon to root.

DISPLAY

```
<ndd1:vt> buildnnd  
su  
1#vi /etc/motd
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- To logon to root:
 - Type su.
 - Press <RETURN>.
 - Observe root prompt appears (number varies with NDD workstation):
- Call up editor:
 - Type vi/etc/motd.
 - Press <RETURN>.
 - Observe Welcome To CAS screen appears.

1#

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- NDD BUILD AND REBOOT PROCEDURES (Cont.)

Welcome screen is a message board that displays software actions performed on workstation.

Every time software is reloaded, software is upgraded, or other pertinent actions are performed, an entry to welcome screen should be made.

Similar entries should be made to log mounted on side of NDD workstation cabinet.

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

WELCOME TO CAS

DATE	PERSON RESPONSIBLE	ACTION PERFORMED
03/13/86	J. Y. Doe	Installed software baseline Ver x.x

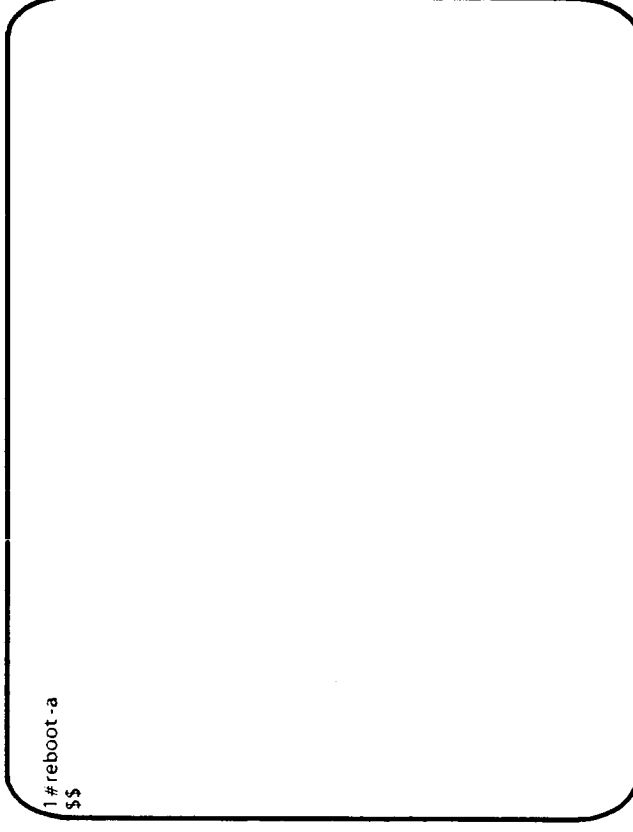
PROCEDURE

- On welcome screen:
 - Enter date.
 - Enter person's name responsible for installation.
 - Enter action performed.
 - Delete obsolete messages.
- When finished, exit editor.

DESCRIPTION

- NDD WORKSTATION BUILD AND REBOOT PROCEDURES (Cont.)

Reboot.

DISPLAY

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- To reboot:
 - Type reboot -a.
 - Press <RETURN>.
 - Observe following prompt appears (may take several seconds):

\$\$

- Proceed to State 2 - Boot Procedures.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1 CAS FILES DESCRIPTION

SECTION 2 REINSTALL BASELINE PROCEDURES

SECTION 3 DIRECTORIES DESCRIPTION

STATE 2 - BOOT PROCEDURES

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- STATE 2 - BOOT PROCEDURE

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

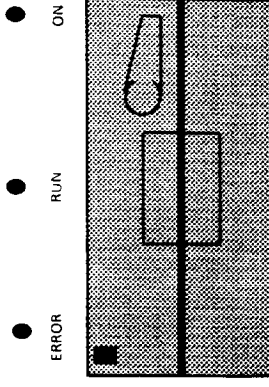
SECTION 3
DIRECTORIES
DESCRIPTION

State 2 - boot procedure brings system to operational CAS application mode.

DISPLAY

CONTROLS AND INDICATORS ON MASSCOMP
CENTRAL PROCESSING UNIT (CPU)

DISK	TERMINAL	RESET	POWER
<div>FLOPPY</div> <div>CONSOLE</div> <div>HARD</div>	<div>GRAPHIC 0</div> <div>LOCAL</div> <div>REMOTE</div>	<div>SOFTWARE</div> <div>HARDWARE</div>	<div>ON</div> <div>OFF</div>



PROCEDURE

- At MASSCOMP central processing unit (CPU):
 - Place 3-position DISK switch to HARD position.
 - Momentarily press RESET switch to HARDWARE position.

DESCRIPTION

- STATE 2 - BOOT PROCEDURE (Cont.)

Entering date. Date is entered in following manner:

DD-MM-YY HH:MM

Where DD = two-digit day

MM = two-digit month

YY = two-digit year

HH = two-digit hour

MM = two-digit minute

DISPLAY

```
>>> B/F:2 2
>>> (Boot messages)
>>> Enter date as DD-MM-YY HH:MM
>>> For example, the current time is xx-xx-xx xx:xx
```

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- Observe boot messages appear.
- Observe following prompt appears on VDT screen:
Enter date as DD-MM-YY HH:MM
For example, the current time is xx-xx-xx xx:xx
- If current time is incorrect:
--Type (DD-MM-YY HH:MM).
--Press <RETURN>.
- If current time is correct:
--Press <RETURN>.

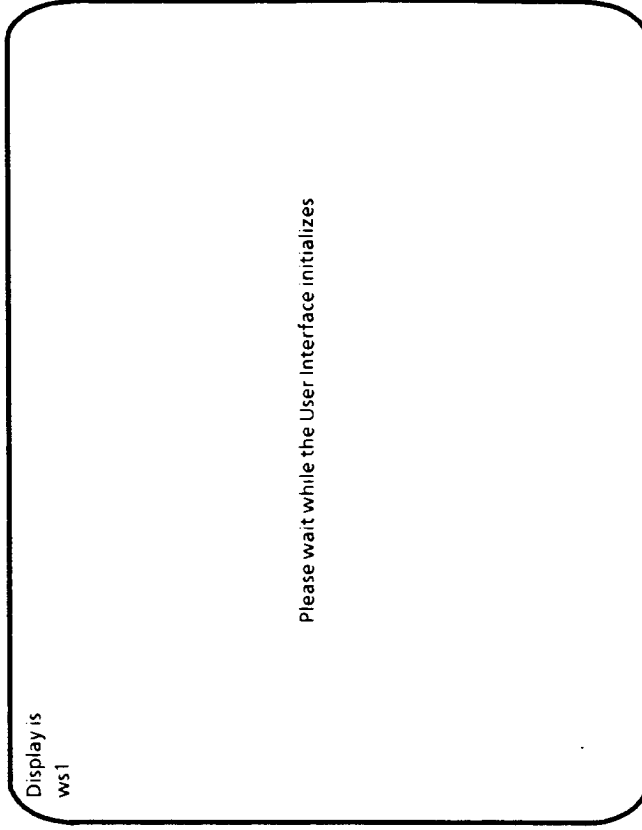
CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- STATE 2 - CAS BOOT PROCEDURES (Cont.)

DISPLAY

SECTION 1 CAS FILES DESCRIPTION
SECTION 2 REINSTALL BASELINE PROCEDURES
SECTION 3 DIRECTORIES DESCRIPTION



PROCEDURE

- Observe CAS user interface initializing screen appears.

DESCRIPTION

- STATE 2 - BOOT PROCEDURE (Cont.)

When master menu appears, system is in operational CAS application mode.

DISPLAY

Display is Workstation Master Menu ws1	Menu name is 'master'	GMT XXX:XX:XX:XX
Enter the number or letter of your selection:		
1 Real-time support 2 Health and status 3 Logging function 4 Delogging function 5 Mission planning 6 Checkout Software 7 Utilities		
ADVS: F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST CNTL:		

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

PROCEDURE

- Observe master menu appears:
 - If on CAS workstation, observe workstation master menu appears.
 - If on NDD workstation, observe NDD master menu appears.
- System is in state 2.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

DESCRIPTION

- STATE 2 - BOOT PROCEDURES (Cont.)

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

DISPLAY

Display is Network Data Driver Master Menu
ndd1 Menu name is 'Nmaster'

GMT XXX:XX:XX:XX

Enter the number or letter of your selection:

1 Real-time support
2 Health and status
3 Logging function
4 Delogging function
5 Checkout Software
6 Utilities

ADVS:

CNTL:

F1 = REFR F2 = TOP F3 = RPRT F4 = ADVS F5 = HIST

PROCEDURE

- Return CAS software baseline floppy disks to storage.
- Return mission planning software floppy disks to storage.
- Reinstallation of CAS software baseline is complete.

**CHAPTER 9
SYSTEM
MANAGER
PROCEDURES**

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION

**SECTION 3
GENERAL DESCRIPTION OF OPERATIONAL DIRECTORIES**

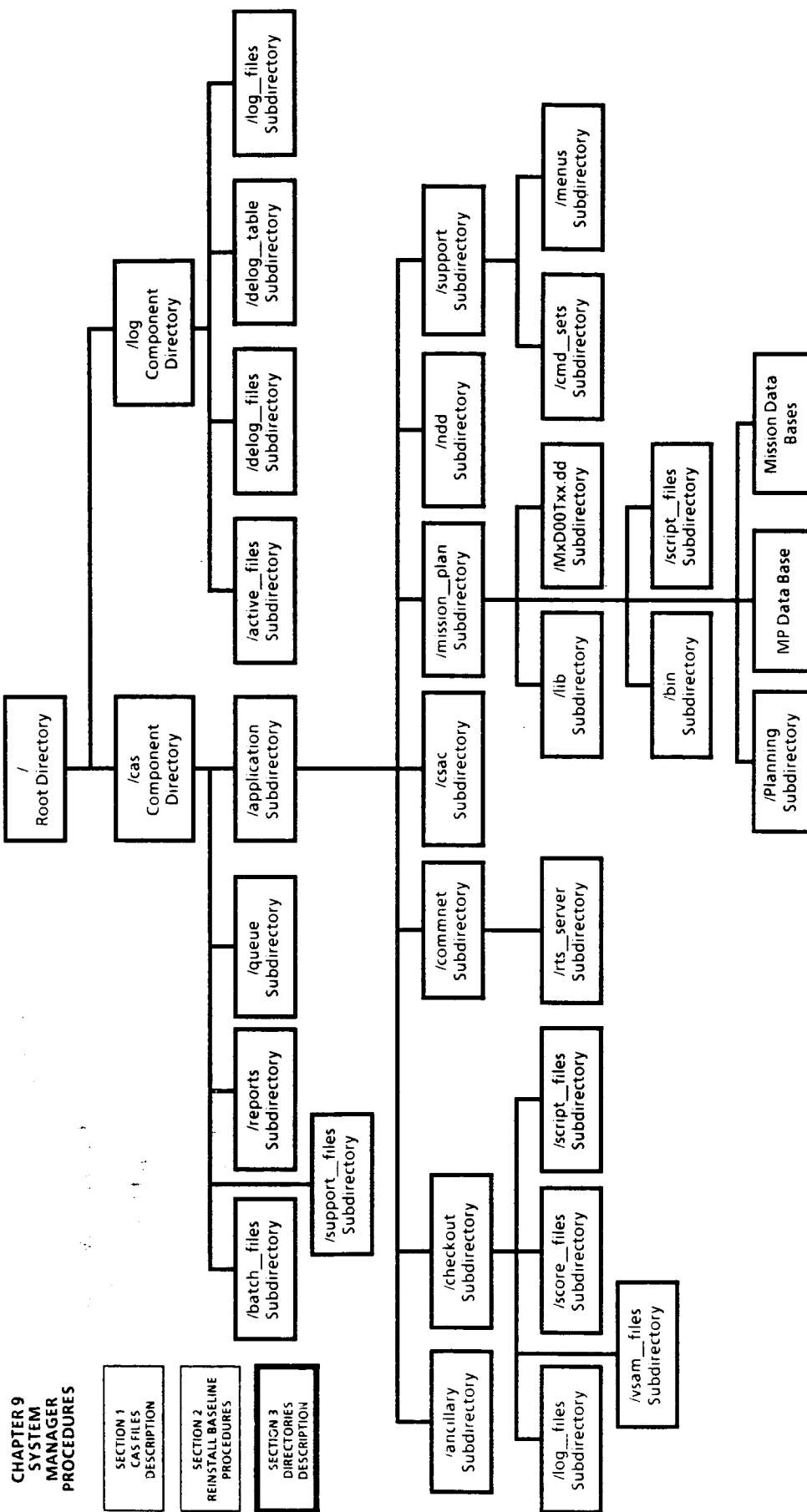


Figure 9-2. Operational Directories Hierarchies

GENERAL DESCRIPTION OF OPERATIONAL DIRECTORIES

The system manager is responsible for building and deleting directories as needed. The CAS file system is organized in a hierarchy of directories (figure 9-2). The top directory is the root directory. Under the root directory are component directories. Under component directories are subdirectories and then the file directories.

The directories are referenced by pathnames (full or partial). All references begin with the root / directory. Each directory listed thereafter is separated by a slash.

NOTE

The slash used to specify the root directory should not be confused with slashes used as name separators.

Example:

`/cas/application/checkout/script_files`

Refer to CAS requirements document for further procedures on referencing directories.

CHAPTER 9
SYSTEM
MANAGER
PROCEDURES

SECTION 1
CAS FILES
DESCRIPTION

SECTION 2
REINSTALL BASELINE
PROCEDURES

SECTION 3
DIRECTORIES
DESCRIPTION